omarvinda1812@gmail.com

Name: Er. Arvind Kumar

Designation: Assistant Professor

Department: Computer Science & Engineering

Phone No(s): 8317066128

Email: omarvinda1812@gmail.com

Qualifications: M.Tech.

Experience: 11+

Area of Interest:

Publication: 10

Book/Book Chapter:

Patent:

Sponsored Projects:

Consultancy:

CURRICULUM VITAE

Mr. Arvind Kumar

H.No. Late Shri Arjun Ram,

D 59/365, G2AS, Jai Prakash Nagar,
Shivpurwa, Varanasi, Pin - 221010
Uttar Pradesh, India
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Objective:

➢ To serve and lead the organizations with dedication for innovation in industry, education &research Technology & Management to share my experience to provide the best development plans for the overall development of the organization, country and the students for the welfare of our global society.
➢ To look forward to an opportunity to my ability in the field of Computer Science and Engineering.
➢ To learn, to utilize, to share my knowledge.
➢ Work with an organization of repute having an international work culture.
➢ Incline towards challenging situation.

My Strength:

➢ Multi-subject Expertise and information.
➢ Characterized by excellence, distinction or innovation.
➢ Experience and Education.
➢ Handle Multiple work, Minimum time, Thinking, Analytical, questioning, innovation, Research, Administration, online administration, updating, dedication, planning.

Work Experience:

➢ I am working as an **Assistant Professor** from **04 February, 2012** in Department of Computer Science and Engineering, Ashoka Institute of Technology and Management, Sarnath, Varanasi affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow (UP) India.

College Website: http://www.ashokainstitute.com/faculties

Publications:

➢ Technical paper published on titled **"Sensor based advancedBlutooth Pulse oximetersystem"** in the International Conference on **"Innovative Practices in Engineering Science and Management**

(IESM-2022)" with **ISBN 978-81-956917-0-8** held on **17-19 October'2022** at A.I.T.M., Varanasi.

➢ Technical paper published on titled **"Quantum Computing: A Preliminary Knowledge"** in the International Conference on **"Innovative Practices in Engineering Science and Management (IESM-2022)"** with **ISBN 978-81-956917-0-8** held on **17-19 October'2022** at A.I.T.M., Varanasi.

➢ Technical paper published on **"Distributed Mutual Exclusion Algorithm with Improved Performance"** in **2ⁿᵈ International Conference on Communication, Computing and Networking 2018 (ICCCN 2018), NITTTR Chandigarh, India**.

➢ Technical paper published on titled **"Image Processing using Machine Learning"** in the National Conference on **"Emerging Trends in Science, Technology & Management (ETSTM-2018)"** held on *November 2ⁿᵈ & 3ʳᵈ, 2018* at A.I.T.M., Varanasi.

➢ Technical paper published on titled **"A Queue Based Approach to Travelling Salesman Problem"** in the National Conference on **"Emerging Trends in Science, Technology & Management (ETSTM-2017)"** held on *November 11 &12, 2017* at A.I.T.M., Varanasi.

➢ Technical paper published on titled **"Data Clustering on IP-Address using K-Means algorithm for Start-Up business"** in the National Conference on **"Emerging Trends in Science, Technology & Management (ETSTM-2017)"** held on *November 11 &12, 2017* at A.I.T.M., Varanasi.

➢ Technical paper published on titled **"Finite State Machine Based on Intelligent Traffic Light with Reduced Energy Consumption"** in the National Conference on **"Emerging Trends in Science, Technology & Management (ETSTM-2017)"** held on *November 11 & 12, 2017* at A.I.T.M., Varanasi.

➢ Technical paper published on **"Power Consumption Routing Mechanism in Mobile Ad-hoc Networks: A Survey"** in National Conference on **"Emerging Computing Technologies in Changing Global Scenario (NCETCGS-2013)"** organized by the Department of Computer Science & Engineering, Kalpi Institute of Technology, Kalpi, Ambala (India) on February 23, 2013.

➢ **Arvind Kumar,** Navin Mani Upadhyay and Kumari Soni. Power Aware Routing in Mobile Ad Hoc Networks by using Power Aware Matrices. *International Journal of Computer Applications (IJCA)* 166(11):24-29, May 2017.

   Digital Library URI: http://www.ijcaonline.org/archives/volume166/number11/27714-2017914152

➢ **Arvind Kumar,** Navin Mani Upadhyay and Kumari Soni. Security Management in Network Visualization Environment by using modified root management algorithm for Creation of Virtual Node and Virtual Link. *International Journal of Computer Applications (IJCA)* 162(6):37-43, March 2017.

   Digital Library URI: http://www.ijcaonline.org/archives/volume162/number6/27250-2017913367

FDP:

- Participated & completed successfully **15 days short term course** on **"Empowering Research with Advance Excel and Power BI"** from **06/05/2023 – 20/05/2023** at Ashoka Varanasi.

- Participated & completed successfully One Week Online FDP on **"Smart Grid: Challenges and Opportunities"** organized by Department of Electrical Engineering from **20/02/2023 – 24/02/2023** at Ashoka Varanasi.

- Participated & completed successfully One Week Online FDP on **"Recent Trends in Computation,Data Processing and Security"** from **30/01/2023 – 03/02/2023** in Ashoka Varanasi.

- Participated & completed successfully **AICTE Training and Learning (ATAL) Academy Online Elementary FDP** on **"Current Trends and Future Prospects in Data Science"** from **10/01/2022 to 14/01/2022 at Central University of Rajasthan.**

- Participated & completed successfully **AICTE Training and Learning (ATAL) Academy Online Elementary FDP** on **"Social and Bio-Inspired Cyber Threat Intelligence Defense Systems"** from **23/08/2021 to 27/08/2021 at Sree Vidyanikethan Engineering College.**

- Participated & completed successfully Online FDP on **"Internet of Things"** from **5th-9thJanuary,2021**at **National Institute of Technology, Durgapur** in collaboration with **AICTE Training and Learning (ATAL) Academy**.

- Participated & completed successfully Online FDP on **"Data Science for IoT"** from **9-13 October, 2020** at **Indian Institute of Information Technology, Allahabad** in collaboration with **AICTE Training and Learning (ATAL) Academy**. **[Ref. No: ATAL/2020/1600754940]**

- Participated & completed successfully online FDP on **"Quantum Computing"** during **24-29 August, 2020** jointly organized by the **Electronics & ICT Academies (MNIT Jaipur, NIT Patna& PDPM IIIT DM Jabalpur)**, Supported by **Ministry of Electronics and Information Technology (MeitY), Govt. of India**.

- Participated & completed successfully Online Faculty Development Program (Funded by the Ministry of HRD, Govt. Of India) on **"Introduction of Internet of Things"** with score of 66% from **July 2019 to October 2019** [12 week course] at **NPTEL-AICTE**.
  Links:
  https://nptel.ac.in/noc/Ecertificate/?q=NPTEL19CS65S52290212240e47c11e99aa1c1c314562f18

- Participated & completed successfully five days Faculty Development Program on **"Outcome Based Education in Technical Education"** held at **Ashoka Institute of Technology & Management, Varanasi** from**01 to 05 July, 2019**.

- Participated in the Dr. A.P.J. Abdul Kalam Technical University, Lucknow sponsored Faculty Development Program (FDP) on **"Modern Optimization Techniques for Engineering and Scientific Application"** at Department of Mechanical Engineering, AITM, Varanasiduring **June 25-29, 2018**.

- Participated in the Dr. A.P.J. Abdul Kalam Technical University, Lucknow sponsored Faculty Development Program (FDP) on **"Big Data and High Performance Computing"** at Department of

Computer Science & Engineering, AITM, Varanasi during **January 27-31, 2018**.

➢ Participated & completed successfully Eight-days Faculty Development Program on **"Human Values and Professional Ethics"** organized by the **Dr. APJ Abdul Kalam Technical University,Lucknow** and conducted by the **Value Education Cell, AKTU** at Ashoka Institute of Technology & Management, Varanasi from **05 to 12 July, 2017**. **[Ref. No.: 170725007]**

➢ Attended one day Faculty Development Program (FDP) on **"Network Simulation"** using **NetSim Software with DELLSOFT Technologies Pvt. Ltd.** on **4th May, 2017** at Ashoka Institute of Technology & Management, Varanasi.

➢ Attended Five days Faculty Development Program (FDP) on **"MATLAB and its application in the field of Engineering"** held from **17th to 21st January 2017**, organized by Department ofElectrical Engineering, Ashoka Institute of Technology & Management, Varanasi in associationwith **NITTTR, Kolkata** and **Dr. APJ Abdul Kalam Technical University, Lucknow**.

QIP:

➢ Participated & completed successfully in the AICTE Sponsored QIP- Short Term Course on **"High Performance Computing and Data Engineering"** at **Department of Computer Science and Engineering, IIT (BHU), Varanasi** during **24-29 June, 2019**.

➢ Participated & completed successfully a Short Term / In-house Training Programme on **"MATLAB and its application in the field of Engineering"** organized by **NITTTR, Kolkata** held at Ashoka Institute of Technology & Management, Varanasi from **17-01 January, 2017**.

[Ref. No.: 3265/2016-2017]

Seminar/Workshop:

➢ Coordinated in the Lecture and Workshop on **"Flow Cytometry: Basics, Applications & Data Analysis"** held on **3rd December 2016**, organized by Department of Biotechnology, Ashoka Institute of Technology & Management, Varanasi.

➢ Participated in the knowledge sharing program on **"Perspective of Modern Teaching Techniques& Uses of Case Studies Through Experiential Learning"** sponsored by **ICFAI Business School**on **23rd July 2016** at AITM, Varanasi.

➢ Attend a Seminar on **"Total Quality Management"** organized by Ashoka Institute of Technology & Management, Varanasi in association with **Quality Circle Forum of India, Varanasi Centre** on **13th September, 2014**.

➢ Delivered a lecture titled *"An Application of Data Mining Techniques in Bioinformatics"* in **1st National Conference on "BIOTECHNOLOGY FROM HEALTH TO WEALTH: FUTURE CHALLENGES"** held during **10th and 11th March, 2014** organized by the Department of Biotechnology, Ashoka Institute of Technology & Management, Varanasi.

➢ Participated in seminar **"Media & Human Development"** organized by Media Information & Communication Centre of India (MICCI), Friedrich Ebert Stiftung & Society for Media & Social Development (SMSD), Varanasi.

My Achievements:

➢ Organizing member of the **2023 IEEE World Conference** on **"Applied Intelligence and Computing (AIC 2023)"** held at Ashoka Institute of Technology & Management, Varanasi during **29-30 July, 2023**.

➢ Role as a **Designer in Chief** in International Conference on Innovative Practices in Engineering Sciences and Management (IESM 2022) during **17-19 October'2022** at Ashoka Institute of Technology & Management, Varanasi.

➢ I have guided more than 12 projects of B.Tech students.

➢ Appointed as a **Zonal Coordinator (Allahabad Zone)** in Dr. Abdul Kalam Sports Fest 2018-19 organized by Dr. APJ Abdul Kalam Technical University, Lucknow, Uttar Pradesh held at Ashoka Institute of Technology & Management, Varanasi during **25th - 27th October, 2018**.

➢ Organizing member of the National Conference on **"Emerging Trends in Science, Technology & Management -2017 (ETSTM-2017)"** held at Ashoka Institute of Technology & Management, Varanasi during **11-12 November, 2017**.

➢ Appointed as a **Coordinator (Deputy Head)** of Department of Computer Science & Engineering at Ashoka Institute of Technology & Management, Varanasi since **July, 2016**.

➢ Appointed as a **Sports Officer (Varanasi Zone)** in Sports Activities at Zonal Level organized by Dr. A. P. J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh held at Ashoka Institute of Technology & Management, Varanasi during **1st-6th February, 2016**.

➢ Appointed as *Center Superintendent* on behalf of **Hon,ble Vice Chancellor, Uttar Pradesh Technical University, Lucknow**, for **Even Semester Examination 2013-14** at **Smt. Fulehra Smarak College of Pharmacy (College Code-764)**.

➢ Appointed as *Center Superintendent* on behalf of **Hon,ble Vice Chancellor, Uttar Pradesh Technical University, Lucknow**, for **Odd Semester Examination 2014-15** at **Smt. Fulehra Smarak College of Pharmacy (College Code-764)**.

➢ Appointed as *Group Leader (Flying Squad)* on behalf of **Hon,ble Vice Chancellor, Uttar Pradesh Technical University, Lucknow**, for **Even Semester Examination 2014-15** at **Smt. Fulehra Smarak College of Pharmacy (College Code-764)**.

Projects:

➢ I have completed my Master degree in Engineering in Computer Science & Engineering in 2023 at the J.S. University, Sikohabad, India. My one year project inM.Tech on titled **"NUMBER PLATE DETECTION"**.

➢ I have completed my Master degree in Technology in Materials Science & Technology in 2011 at the Indian Institute of Technology, Banaras Hindu University (IIT-BHU), formally known as Institute of Technology Banaras Hindu University (IT-BHU), India. My one year project in M.Tech on titled

"Thermoreversible Gelation of Poly (vinylidene Fluoride) in Aliphatic Diesters & its Simulation".

➢ I did my undergraduate one year (2008-2009) final year project of graduation at BBD National Institute of Technology & Management, Lucknow, under the supervision of Mr. Diwakar Yagsen (Project coordinator, Dept. of Computer Science & Engineering, BBD National Institute of Technology & Management, Lucknow) & Mrs. Shubha Mishra (Head of Department, Computer science & engineering, BBD National Institute of Technology & Management, Lucknow) on titled *"FYP 2009 (CTI)"* based on *Cryptographic techniques*.

➢ I did my undergraduate project in 3rd year (6th semester) of graduation at BBD National Institute of Technology & Management, Lucknow, under the supervision of Mr. Anurag Shrivastava (Faculty, Dept. of Computer science & engineering, BBD National Institute of Technology & Management, Lucknow) & Mrs. Shubha Mishra (Head of Department, Computer science & engineering, BBD National Institute of Technology & Management, Lucknow) on titled *"Simulation for CPU Scheduling Algorithms"*.

Summer Training:

➢ I did my undergraduate four week's summer training (**19th June 2008-16th July 2008**) of graduation at **Bharat Sanchar Nigham Limited, Control Station & Exchange Varanasi, Uttar Pradesh**, under the supervision of Mr. Tara Shankar Shukla (S.D.E.). My work involved study of **Control Station Functional Architecture.**

Extra- Curricular Activities:

➢ Organizing member and Technical Session Coordinator of the **2023 IEEE World Conference** on **"Applied Intelligence and Computing (AIC 2023)"** held at Ashoka Institute of Technology & Management, Varanasi during **29-30 July, 2023**.

➢ I organized and completed successfully Five-days online FDP on **"Applications of ArtificialIntelligence Techniques"** during **13 to 17 July, 2020**.

➢ I'm working as a **Convener** of **Annual Techno-Cultural Fest "Abhyuday"** from **2014** to tilldate.

➢ Active member of **NCC** at the time of Schooling.

Educational Qualification:

Name of School/College	Class	Year of Passing	Division	Subjects Taken
JS University, Sikohabad	M.Tech in Computer Science & Engineering	2023	Ist	Data Science, Advanced Data Structures, Soft computing, Human and Computer Interaction
Indian Institute of Technology, Banaras Hindu University, Varanasi	M.Tech in Materials Science & Technology	2011	Ist	Materials Characterization, Polymeric Materials, Composite Materials, Mechanical Behavior of Materials
BBD National Institute of Technology & Management, UPTU Lucknow	B.Tech in Computer Science & Engineering	2009	Ist	Computer Network, Data Structure, Digital Image Processing, Cryptography, Data Base Management System, Computer Graphics
Central Hindu Boys School, Varanasi	12th (CBSE)	2001	IInd	Mathematics, Physics, Chemistry, English, Sanskrit
Central Hindu Boys School, Varanasi	10th (CBSE)	1998	IInd	Mathematics, Science, Social Sciences, Sanskrit, English

Working Application Area:

➢ ERP
➢ Mobile Application
➢ Web Application
➢ Cloud Computing
➢ AI/ML

Interested Area:

➢ Computer System Security
➢ Cloud Computing
➢ Computer Graphics
➢ Internet of Things
➢ DBMS
➢ Virtual Reality
➢ Artificial Intelligence

➢ Digital Image Processing
➢ Computer Networks

Programming Languages:

➢ Python
➢ C/C++
➢ JAVA
➢ HTML

Database Management System:

➢ SQL at Oracle10G
➢ MySQL

Software:

- ➢ MS-OFFICE
- ➢ ORIGIN
- ➢ CHEM ULTRA 3D
- ➢ ADOBE (Acrobat, Photoshop, PageMaker)

Operating System:

- ➢ Windows (98, XP, 2003)
- ➢ Windows Vista
- ➢ Windows 7
- ➢ Linux
- ➢ MS-DOS

Personal Information:

Name:	Mr. Arvind Kumar
Father's Name:	Late Shri Arjun Ram
Sex:	Male
Date of Birth:	18-Dec-1981
Category :	Scheduled Caste (SC)
Marital Status:	Married
Nationality:	Indian
Languages known:	Hindi & English
Hobbies:	Music, Playing PC Games & Internet Surfing
Address (Permanent):	Mr. Arvind Kumar, S/o- Late Shri Arjun Ram, D 59/365 G2AS, Jai Prakash Nagar, Shivpurwa, Varanasi, UP (India)-221010
Contact No.: **Email Address:**	+91-8317066128 omarvinda1812@gmail.com

Declaration:

I consider myself familiar with engineering aspects. I am also confident of my ability to work in a team. I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date: **(Arvind Kumar)**

Place: