

## CURRICULUM VITAE

**Dr. Fahim Khan**

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Email: fahimkhan0786@gmail.com

Agra, India

**PROFESSIONAL SUMMARY**

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- Total 12 years of professional experience out of which 4 years of experience in teaching and 8 years of experience in ICT/IT networking infrastructure services as ICT Consultant, IT networking infrastructure installations, network administration, and data center management.
- I can teach subjects like Computer Networks, Cloud Computing, Software Engineering, Fundamentals of Artificial Intelligence, open to other subjects as per department requirements. Teaching courses for Computer Networking theory and Lab, Cloud computing theory and Lab for four sections of Bachelor of Technology.
- Research interests are Network security, Cyber Security, Cloud Security, Fibre Optics Network Infrastructure Deployment.
- Project management experience of the ICT networking infrastructure for the Adigrat University from data center to the university campus.

**PROFESSIONAL EXPERIENCE**

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- Assistant Professor, Department of Computer Science & Engineering, Noida Institute of Engineering and Technology (NIET), Greater Noida, India, Oct-2024 to continue.
- Assistant Professor, Department of Computer Applications, Chandigarh group of colleges (CGC), Mohali Punjab, India, March-2024 to Oct-2024.
- Freelance Trainer and Innovation trainer for Nex-G Exuberant Solutions Pvt. Ltd., Alam Almasiah, Riyadh, Saudi Arabia, Google Data Centers, India, March-2022 to Nov-2023.
- ICT Consultant, ICT Directorate, Adigrat University, Ministry of Education Ethiopia, Nov-2017 to Aug- 2021.
- Controller Fibre optics installations, Horizon Telecom WLL. Bahrain, Subcontractor for Batelco, June-2015 to June-2017 and Jan-2014 to April-2014, India.
- Network Administrator, IBNSINA National College, Jeddah, Saudi Arabia, June-2012 to June-2013.
- IT Lecturer, Wollega University, Ethiopia, Ministry of Education, Dec-2009 to Aug-2011.
- Computer Science Lecturer, Faiz-E-Aam, Degree College, India, Dec-2008 to Nov-2009.

## EDUCATION

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- Ph.D. in Computer Science, Thesis topic: FTTX NETWORKS FOR ICT (FIBRE TO THE NEXT GENERATION NETWORKS) from Sanskriti University, 09-2019 – 07-2025.
- Master of Computer Applications (MCA), Dr. APJ Abdul Kalam Technical University, Hindustan Institute of Management & Computer Studies, 2005-2008.
- Bachelor of Science, Dr. B.R Ambedkar University Agra, St. John's College, 2002-2005.
- X & XII, CBSE board, Simpkins School Agra, 2000-2002.

## RESEARCH WORK

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- F. Khan, "Green data centers for sustainable environment," in *Proc. Int. Conf. Circular Economy & Sustainable Development (ICCESD-2024)*, Chandigarh Group of Colleges, Jhanjeri, Mohali, India, Jun. 27-28, 2024.
- F. Khan and S. K. Sinha, "Fibre optical splitters," *Int. Res. J. Modernization Eng. Technol. Sci.*, vol. 5, no. 9, pp. 1-xx, Sep.2023. DOI: <https://www.doi.org/10.56726/IRJMETS44418>
- F. Khan and S. K. Sinha, "FTTX network design architectures," *Int. Res. J. Modernization Eng. Technol. Sci.*, vol. 5, no. 10, pp. 1-xx, Oct. 2023. DOI: <https://www.doi.org/10.56726/IRJMETS45023>
- F. Khan, "Machine learning algorithms and its real world applications: A review," in *Proc. Int. Conf. Application of Artificial Intelligence in Earth Science (AAIES-2024)*, Chandigarh Group of Colleges, Jhanjeri, Mohali, India, Aug. 29-30, 2024.
- F. Khan, "The Internet of Things: Overview, foundational framework, and prospects for the future: A review," in *Proc. Int. Conf. Advanced Research in Engineering (iCare-2024)*, Chandigarh Group of Colleges, Jhanjeri, Mohali, India, Nov. 27-28, 2024.

## FDP ATTENDED

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- Faculty Development Program on “Cyber Security (Dark Web)” from 20-31 January, 2025, organized by NIT Patna.
- Faculty Development Program on “Trends and challenges in research” from 25-29 March, 2025, organized by Sharda University.
- Faculty Development Program on “Latest tools & Trends in Artificial Intelligence” from 11-16 Nov, 2024, organized by Vivekananda Global University, Jaipur.
- Faculty Development Program on “Holistic Professional Development for Academicians & Researchers” from 25-29 June, 2024, organized by Mangalmay Institute of Management & Technology.

- One week faculty development program on “Indian Knowledge System and Education: A Roadmap for A Viksit Bharat’, organized by school of Liberal Arts, Uttarakhand University, Dehradun, Uttarakhand, 2-8 July 2024.
- One week faculty development program on “Enhancing Teaching & Communication Skills: Sustainable and Innovative Approaches 2024, 15-23 July 2024, organized by Jaypee Institute Of Information Technology Society.

## **DETAILED CAREER EXPERIENCE**

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### **Assistant Professor Computer Science (B.Tech)**

**Oct-2024 to Continue**

#### **NIET, Greater Noida**

##### **Roles & Responsibilities**

- Teaching courses for Computer Network theory and Lab, Foundation of Cloud Computing
- Guiding final year’s students for projects.
- CC for a class.

### **CGC Jhanjeri, Chandigarh**

**March-2024 to Oct-2024**

#### **Assistant Professor Computer Applications**

##### **Roles & Responsibilities**

- Taught courses for Cloud Computing theory and Lab, Software Engineering, AI and DBMS Labs.
- Guiding final year’s students for projects.
- CC for a class.
- Participating actively for organizing conferences, seminars etc.

### **Innovation Trainer**

**Nov-2022 to Nov-2023**

#### **Next-Gen-Solutions Pvt. Ltd, India**

##### **Roles & Responsibilities**

- Provides industrial technical trainings for fibre optics ICT/ IT networking infrastructure technology courses online/ offline classes, practical trainings are delivered by me after completion of theoretical course modules, for FTTx technology, fibre optics for next generation networks infrastructure like 4G, 5G and network design etc.
- I delivered technical courses for industry skills to fresh technical undergrads, graduates as well as to professionals from different countries like Ericsson-India, BSc - Rwanda, ion telecom & technology - Libya, and many individual trainees.

### **Freelance worker**

**March-2022 to Nov-2022**

##### **Roles & Responsibilities**

- As fibre optics network infrastructure engineer supported OSP project in Riyadh & Rumah, Saudi Arabia for Mobily telecommunications under subcontractor Alam Almasiah.
- Testing and Troubleshooting of the cables using VFL, OTDR, Source & OPM. Supervision of field work for direct & duct burial of fibre cable back bone deployment. Advising construction network infrastructure work for route and man holes and mark posts.
- Managing machine equipment’s and man power for the completion of the project.

**ICT Consultant****Nov-2017 to Aug-2021**

(Network Infrastructure Department)

**Adigrat University, ICT Directorate, Ethiopia****Roles & Responsibilities**

- Splicing of fibre joints from data center to other directed underground closures and patch panels in different buildings for switches connectivity in the University Campus.
- Field supervision of PON Manholes, cabling bend Manholes and ducts.
- Testing and Troubleshooting of the cables using VFL, OTDR, Source & OPM. Use of single mode, multi-mode fibre cables, patch cords, patch panels, ONT, SFP connectivity in switches.
- Data Center management for network infrastructure connectivity, mini data centers, fire walls and servers connectivity.
- Quality check for the materials supplied for project use like cable quality, device quality etc.

**Controller & Technician****Jun- 2015 to Aug- 2017**Horizon Telecom, **Bahrain**

(Batelco - Bahrain Telecommunication Company Project for Fibre/Copper)

**Roles & Responsibilities****Field Work**

- Fibre splicing Joints – 1:2, 1:8, 1:4, 1:24, PON and SF Joints.
- Box Termination Wall Mount DPs, Pole DPs and Pedestal DPs.
- Doing surveys for PONs and DSs cabling.

**Software Programming**

- ADSL Router Programming Using N2000 & U2000.
- LPAM, CRM, FFA.

**Network Support Engineer****Jan- 2014 to Apr- 2015**

Horizon Telecom, India

**Roles & Responsibilities**

- Field installation of Cisco Routers for connectivity located inside tower cabinet boxes.
- Visit exchanges and cabinets for connectivity maintenance.
- Reliance 4G, Sonipat project.

**Network Administrator****Jun- 2012 to Jun- 2013**

Ibn Sina National Medical College, Jeddah, Saudi Arabia

**Roles & Responsibilities**

- Maintaining the LAN, WAN in the Campus.
- Implementer for the development of IT & Networking services.
- Configure and maintain of switches, routers and wireless APs.

**Information Technology Lecturer****Dec-2009 to Aug- 2011**Wollega University, Ministry of education, **Ethiopia****Roles & Responsibilities**

- Taking lectures for undergraduates
- Introduction to CS, Computer Fundamentals, Software Engineering, introduction to AI, MIS, introduction to AI etc.
- Assisting the students for laboratory practices.
- Course Module preparation for undergraduate and post graduates.
- Conducting of class assignments. Annually, final test papers preparation of each class teaching, helping the staff for exam arrangements and process.

- Taking part in seminars, conferences internally as well as externally.
- Guiding final year students for project work.

### **Computer Science Lecturer**

**Dec- 2008 to Nov- 2009**

Faiz-E-Aam Degree College, Mathura

#### **Roles & Responsibilities**

- Taking lectures for undergraduates
- C, C++, SQL, computer applications, introduction to CS etc.
- Assisting the students for laboratory practices.
- Conducting of class assignments. Annually, final test papers preparation of each class teaching, helping the staff for exam arrangements and process.
- Participating in seminars, conferences internally as well as externally
- Project guide to final year students.

#### **AREAS OF EXPERTISE**

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- Computer Networking, Azure Cloud Computing, Cyber Security, C, C++, SQL, MySQL and PHP.
- Networking, Hubs, Switches, Servers, Wi-Fi Routers and Fire Walls.
- Fibre Optics, Splicing, Testing & Troubleshooting, VFL, OTDR, OSPM, ONT/ONU, ODF and OLT, Tube Cutter, Stripper, Cleaver, Splice Machine Operating Fujikura 70/80S.
- Operating systems Windows 10, 7, XPs.
- MS-Office MS-word, MS-Excel, Power Point, Outlook

#### **PROFESSIONAL CERTIFICATIONS**

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- 5G Optical Networking Conference certificate
- Health and Safety Induction Certificate
- Internationalization of digital businesses – ITC
- Lean digital transformation - ITC
- E-commerce for B2B - ITC
- Competitive intelligence – ITC
- AWS – Conference attended

#### **LANGUAGES**

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- English – Fluent
- Hindi - Native

#### **PERSONAL DETAILS**

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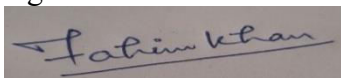
- Fathers Name – Late. Mr. Sami Ulla Khan
- D.O.B – 06/05/1985
- Permanent Address – H. No. 196, 197 Sector 11 A Avas Vikas Colony Sikandra Agra Pin 282007

#### **DECLARATION**

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I hereby declare that the information given by me above is true to the best of my knowledge.

Signature



(Dr. Fahim Khan)

Date: 20-08-2025