

MOHSIN ALI

 LinkedIn |  +92-300-9485510 |  Portfolio Website |  mohsin.ali.tele@gmail.com |  GitHub

Skills

- **Programming Languages:** Python, JavaScript, C++, Matlab, MySQL, HTML, CSS
- **Libraries / Frameworks:** TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy, Matplotlib, Seaborn, FLASK, Node.js, AWS SageMaker, Docker, Kubernetes, Rapids, Excel, Tableau
- **Skills:** Data Ingestion | Data Preprocessing | Data Analytics | Feature Engineering | PCA | Cross-Validation | Model Optimization | Hyperparameter Tuning | Model Deployment | Natural Language Processing (NLP) | Computer Vision | Reinforcement Learning | Large Language Models (LLM) | Generative AI | Frontend | Backend | English, Urdu – All professional proficiency or above

Experience

- | Software Developer | JAZZ | Lahore, Pakistan | 02/2024 - Present |
|---|------|------------------|-------------------|
| <ul style="list-style-type: none">• Led the digitalization, design, and development of enterprise-level applications, achieving a 28.7% YoY revenue growth for JAZZ using ServiceNow ITSM.• Designed and implemented scalable APIs with Node.js, SQL, and ServiceNow ITSM, handling thousands of daily requests from first- and third-party tasks.• Managed end-to-end product development, including requirements gathering, software implementation, testing, and configuring metrics, alarms, SLAs, and dashboards.• Integrated CI/CD pipelines, performed load and stress testing, conducted end-to-end testing, and managed projects while liaising with customers. | | | |

- | RAN Performance Management Specialist | JAZZ | Lahore, Pakistan | 09/2022 - 02/2024 |
|---|------|------------------|-------------------|
| <ul style="list-style-type: none">• Proactively monitored 2G/3G/4G network service quality, and user experience, ensuring optimal performance and reliability.• Developed Excel and Python based workflow automations for diagnostic escalations, cutting packet loss rate diagnosis time by 97%.• Created automated dashboards for special occasion reporting, reducing the hourly report preparation time by 98%.• Prototyped Machine Learning based early detection systems for KPI/KQI degradation, enabling swift identification of potential network issues.• Coordinated with cross-functional teams to rapidly diagnose and resolve network errors, minimizing downtime and service disruptions. | | | |

- | Graduate Research and Teaching Assistant | LUMS | Lahore, Pakistan | 08/2019 - 09/2022 |
|--|------|------------------|-------------------|
| <ul style="list-style-type: none">• Energy-efficient belief propagation decoder for edge 5G devices.• Improving error-rate performance of the polar code decoding algorithm for 5G Wireless Communication.• Enabling ubiquitous 4G/5G coverage through pop-up networks in rural areas for tele-medicine and remote education.• Designing Reconfigurable Intelligent Surfaces (RIS) for 6G cellular networks and beyond.• Fixed Point modeling of Differential Space-Time Block Coded (DSTBC) Modulated Wireless Link (with NESCOM) | | | |

- | Telecommunications Intern | SNGPL | Lahore, Pakistan | 06/2018 - 09/2018 |
|---|-------|------------------|-------------------|
| <ul style="list-style-type: none">• SCADA · PLC · Real-time data acquisition · Digital Multiplexing and DNS design · Physical Layer · Digital Exchange design | | | |

Education

- | Master of Science (EE) | LUMS | Lahore, Pakistan | 08/2020 - 12/2022 |
|---|------|------------------|-------------------|
| <ul style="list-style-type: none">• Relevant Courses: Advanced Digital Signal Processing · Artificial Intelligence · Computer Networks · Cybersecurity · Information Theory | | | |
| Bachelor of Science (EE) | LUMS | Lahore, Pakistan | 08/2015 - 12/2019 |
| <ul style="list-style-type: none">• Relevant Courses: Computer Networks · Signal and Image processing · Control Systems · Biomechanics | | | |

Projects

Over 40 projects including End to End products, and Research paper implementations. [Details available here !\[\]\(4b7a79268f6ba26c1471d4232fffa85a_img.jpg\)](#)

- End to End ML student performance predictor with EDA, FLASK Web App, AWS deployment, and CI/CD Pipeline.
- AI Coffee shop barista using Llama Index and a RAG assisted pre-trained LLM (Falcon-14B)
- DeblurGANv2 based deteriorated image restoration
- Premier league football match winner prediction using ensemble Machine Learning

Certifications

Over 180 certifications from NVIDIA, Coursera, LinkedIn Learning, Seminars, and Offsite training. [Details available here !\[\]\(4f6bf54ae7e4144a72d78316053e412d_img.jpg\)](#)

- **Artificial Intelligence:** Machine Learning · Deep Learning · Generative AI · NLP · LLMs · Computer Vision
- **Tools & technology:** Tableau · Python · SQL · Excel · MS PowerPoint
- **Interpersonal and non-technical skills:** Leadership · Listening Skills · Conflict Resolution · Project Management · Problem Solving Methodologies · Effective Communication · Business Utility Analysis · Sales · Financial Strategy · Persuasive Writing

Achievements

- JAZZ NOC Employee of The Month July 2023
- LUMS MS Merit Scholarship Award (2021 – 2022)
- Member of the Internet Society ([link](#)) (September 2024 - present)