AHRAR BIN ASLAM

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EDUCATION

Master of Science (M.Sc.) in Cybersecurity — Oct 2024 - Present
Universität des Saarlandes — *Saarbrücken, Germany*

Bachelor of Engineering (B.E) in Telecommunication — Oct 2018 - Dec 2022
Mehran University of Engineering and Technology — *Jamshoro, Pakistan*
CGPA: 3.95/4.00
Thesis: Leveraging Natural Language Processing for Public Health Screening of COVID-19
Undergraduate First Position Holder (Gold Medalist)

WORK EXPERIENCE

Research Assistant — Dec 2023 - Aug 2024
Mehran University of Engineering and Technology — *Jamshoro, Pakistan*

- Created a user-friendly GPA and probation calculator using HTML, CSS, and Javascript for the university's examination department to help students track their academic progress.
- Designed databases using SQL Server to manage examination data, employed data analytics tools such as PowerBI, Python, and Excel to identify key academic patterns for the university's decision-making processes.

Artificial Intelligence Instructor — May 2023 - Aug 2023
National Vocational and Technical Training Commission — *Jamshoro, Pakistan*

- Developed comprehensive course material for Python programming, statistics, machine learning, and natural language processing, resulting in a 90% pass rate.
- Delivered lectures to a class of 30+ students on the practical application of AI in the areas of computer vision, natural language processing, and cybersecurity.

Technical Assistance Center Engineer — Dec 2022 - May 2023
Sybrid Private Limited — *Karachi, Pakistan*

- Assessed the nature of queries and provided technical support to over 100+ corporate clients, ensuring enhanced client satisfaction and reliable technical assistance.
- Troubleshot Network Access Layer issues related to CPE (e.g., routers and switches) at customer sites, reducing network downtime by 25% and ensuring smoother communication and faster problem resolution.

LANGUAGES

- English (CEFR: C1)

SKILLS

Programming Languages: Python, MATLAB, C++, SQL, Javascript
Libraries and Frameworks: Numpy, Pandas, Matplotlib, Seaborn, NLTK, SpaCy, Scikit-Learn, PyTorch
Tools: Git, PowerBI, Microsoft Office, Cisco Packet Tracer, eNSP, Linux, Latex, Wireshark

PUBLICATIONS

1. Aslam, A. B, et al. (2024). Artificial intelligence-enabled 6G mobile systems. In A. Bourdena et al. (Eds.), *Intelligent technologies for healthcare business applications*, pp. 49-79, Springer. https://doi.org/10.1007/978-3-031-58527-2_3
2. Aslam, A. B, et al. (2023). Leveraging natural language processing for public health screening on YouTube: A COVID-19 case study. arXiv preprint arXiv:2306.01164

CERTIFICATIONS

- Python for Everybody (Coursera)
- Data Visualization with Python (Coursera)
- Data Analysis with Python (Coursera)
- Data Science Tools (Coursera)
- Top 10 Student in Pakistan at Huawei ICT Competition 2023-24