

Ahmer Jamil

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EDUCATION

The University of Iowa - PhD in Computer Science

August 2024–Present

Advisor: Professor Guanpeng Li

Area of Study: Dependable systems for High-Performance-Computing, Fault tolerance

Lahore University of Management Sciences-BSc in Computer Science (CGPA: 3.78)

2019–2023

Placed on Dean's Honor List

2019-2022

Relevant Courses: Artificial Intelligence, Theory of Automata, Machine Learning, Speech Processing, Deep Learning, Software Engineering, Marketing, Organizational Behavior, Human Computer Interaction, Data Mining.

Karachi Grammar School

A-levels- 4A*s, O-levels- 7A*s, 3A.

August 2017- August 2019

WORK EXPERIENCE

Systems Limited

July 2023-July 2024

Associate Consultant - AI

- Developed LLM solutions with Microsoft using Azure and RAG, fine-tuning models with PEFT and LoRA.
- Delivered ML solutions for international clients like Etisalat using PySpark, DataRobot, and Databricks.

Lahore University of Management Science

August 2021-June 2023

Peer Advisor

- Assisted students with their course and major selection
- Academic advisor and mentor of 30 students

VentureDive

July–October 2022

Data Analysis Intern

- Utilized Selenium and online plotting tools to generate a GeoJson file of National and Provincial Constituencies of Pakistan.
- Developed an interactive webpage by plotting the GeoJson file with Python, Flask, and HTML.

Habib Bank Limited

June-July 2022

Branch Banking Intern

- Designed and presented PowerPoint presentations for stakeholder meetings
- Coordinated and executed an internal award campaign to recognize top-performing employees
- Developed a strong understanding of the significance of data analysis in decision-making processes.

Lahore University of Management Science

August 2021-December 2022

Teaching Assistant – Computational Problem Solving

- Assisted 100 students understand basic programming concepts
- Assisted instructors in planning and implementing lessons and activities.

JS BANK

June-August 2021

Data Science Intern

- Executed daily SQL queries to support the ETL process
- Contributed to the utilization of existing customer data for improved decision-making through predictive analysis

ACADEMIC PROJECTS

Machine Learning: Built a language classifier using different Machine Learning techniques, trained models on three different languages and reported the accuracy of different models to deduce which classifier is most suited for practical implementation. **Python, PyTorch**

Theory of Automata: Developed an interpreter for a custom YAPL using PLY and knowledge of FSMs, CFGs, regex, interpreters, & compilers. **Python**

Deep Learning: Increased compression capability of a Student-Teacher model by introducing multiple teaching assistant models.

Software Engineering: Contributed to creating a one stop mobile app solution that consolidates several important aspects and features of university portals using React Native, JavaScript, and firebase. **React Native, Python, HTML, JavaScript**

Human Computer Interaction: Conducted user research and designed a comprehensive UI/UX design for a mobile application (Afloat) that provides professional mental health support to students. **Figma**

SKILLS

Languages: Fluent in English, Urdu, and Sindhi.

Technical Skills: Proficient in MS Office (Word, PowerPoint, Excel) & Canva

Programming Languages: Experienced in C++, Python (3+ years), SQL, R, Haskell, and JavaScript.

Others: Figma, Power BI, React, React-Native, HTML, Flask.