FAHAD AHMAD

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EDUCATION

University of Illinois at Chicago (UIC)   **Aug 2021 – May 2025 | Chicago, IL**
Bachelor of Science in Data Science: Business Analytics

CERTIFICATIONS

Amazon Web Services (AWS)
Data Engineering & Cloud Foundations
- Mastered AWS data engineering services including Amazon Redshift, EMR, and Glue for large-scale data processing
- Developed expertise in designing and implementing ETL pipelines using AWS data analytics services
- Demonstrated expertise in AWS core services, global infrastructure, and security best practices, implementing cost-optimized architectures across computers, storage, and database services in line with the AWS Well-Architected Framework

WORK EXPERIENCE

UIC Student Recreation Facility, Intramural Sports Supervisor   Jan 2024 – Present | Chicago, IL
- Manage conflict resolution strategies for participants, resulting in zero escalated incidents and maintaining participant satisfaction
- Coordinate daily operations and conduct performance evaluations for 30+ officials, implementing standardized assessment metrics
- Created training materials tailored to improve the official skills among volunteers; led to an increase in qualified officials ready to handle competitive matches throughout the season.

SOFTWARE PROJECTS

Graph-Based Campus Navigation System (C++)
- Developed a graph-based shortest path navigation system for a university campus
- Designed an efficient graph data structure using unordered maps and adjacency lists for optimized storage and retrieval.
- Used Dijkstra's Algorithm to find the shortest path between buildings, incorporating footway and building connectivity.

Title Classification Using Word Embeddings and Neural Networks (R)
- Built a deep learning model for text classification using Word2Vec embeddings and a neural network to predict job titles from descriptions
- Preprocessed textual data using tokenization, label encoding, and vectorization to create meaningful representations.
- Worked with Pandas, NumPy, Scikit-Learn, and Gensim for data handling and embeddings.

Turtle Graphics House Drawing Simulation (Python)
- Designed and implemented a Python-based graphical simulation using the Turtle graphics library to draw a house scene.
- Engineered modular functions to render various elements including houses, roofs, doors, windows, paths, and the sun.
- Improved understanding of event-driven programming and graphical user interfaces in Python.

INTERNSHIP

Red Crescent COVID Hospital, Data Entry   Jun 2021 – Aug 2021 | Rawalpindi, Pakistan
- Generated daily and weekly analytical reports, improving data tracking and reducing reporting time.
- Cross-verified patients database using their ID card on the Covid-19 Gov PK healthcare platform.
- Managed sensitive patient records while maintaining strict confidentiality standards.

BUSINESS PROJECTS

Roots Ivy Youth Leadership Olympiad, Marketing Head
- Led a team to secure sponsorships and food vendor agreements with Subway, Pizza Hut, Domino's, McDonald's, KFC, and other local chains.
- Negotiated commission-based revenue sharing with vendors, securing deals like 7% from Subway and 4% from KFC, optimizing profitability for the event.

TECHNICAL SKILLS

Advanced in SQL | MS Excel | Python | R | C/C++ | VBA | Java | English | Urdu | Punjabi