Ashna Ali

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Linkedin: www.linkedin.com/in/ashna-ali ● Portfolio Website: https://my-portfolio-pi-ashy-83.vercel.app/

EDUCATION

University of Missouri-Kansas City, MO — **December 2024**
Master of Science in Computer Science — GPA 3.54
Data Science Emphasis

Bachelor of Science in Computer Science — **May 2023**
University Honors, GPA 3.25

SKILLS

Computer Skills:
- **Tools:** AWS, MongoDB, GitHub, Microsoft Teams/Office, Visual Studio Code, TensorFlow, PyTorch, MySQL, Docker, Flask, NodeJS, NextJS, Express, Redux, Microsoft SQL, Java Swing, Keras, ESP32, Arduino, ScikitLearn, HuggingFace
- **Languages:** Java, Python, C++, C#, ReactJS, SQL, JavaScript
- **Technical Skills:** Troubleshooting, Agile Development, Data Preprocessing, Cloud Computing, IoT

Soft Skills: Problem Solving, Project Management, Adaptability, Team Leadership

PROJECTS

AI Powered Diabetes Health Coach App — **August 2024-December 2024**
- Developed and led the implementation of an AI-driven diabetes prediction system using gender-specific XGBoost models, getting 80-90% accuracy in total
- Landed 3rd place in my UMKC Hack-a-Roo with my project submission

Mining Worker Safety Helmet IoT System — **August 2024-December 2024**
- An IoT system designed to be an emergency alert system for miner. Uses a combination of Arduino Uno and ESP32 as well as ReactJS for the frontend.

Healthcare Data Encryption Application — **June 2024-July 2024**
- Developed a web application demonstrating a hybrid solution combing AES, ECC, and post-quantum cryptography for healthcare data storage

Deep Learning Course Final Project — **January 2024-May 2024**
- Developed custom CNN models for image classification, experimenting with datasets like CIFAR-10 and Tiny ImageNet

Graduate Teaching Assistant Job Board — **January 2023-May 2023**
- Created a Graduate Teaching Assistant application portal with separate student and administrator views

EXPERIENCE

Missouri Institute of Defense and Energy - UMKC — Kansas City, MO
Graduate Student Research Assistant — **May 2023-August 2023**
- Conducted research on machine learning models, primarily in image classification and segmentation

Oracle Cerner Corporation (Oracle Health) — Kansas City, MO
Technical Apprentice — **May 2019-Nov 2021**
- Learned and applied web development skills to an application to track patient symptoms within the Integrated Charting team.

REFERENCES

Balakrishna Thiagarajan
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