Ahmed M Abdullahi

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Education

J.B. Speed School of Engineering, University of Louisville

Bachelor of Science in Computer Science   **Expected:** Dec 2024

GPA: 3.5

Experience

UPS - Louisville, KY   **May 2023 – Present**

ISM CO-OP — ISM Intern

– Developed and maintained Oracle databases, optimized queries, and automated processes.

– Collaborated on data architecture design for enterprise-level systems, ensuring scalability and efficiency.

– Key tools and technologies: PL/SQL, Oracle Database, Data Storage Technologies, Data Analytics.

Spd-Speed Info Technology - Louisville, KY   **Oct 2022 – July 2023**

Student Help Desk IT

– Provided technical support, improving network and system performance.

– Assisted in database maintenance and performance monitoring, gaining valuable troubleshooting experience.

UofL Health   **Feb 2022 – Oct 2022**   PRN Patient Access Registrar (Part-time)

– Processed patient registrations, ensuring accurate data input and timely record keeping.

– Communicated effectively with patients to resolve billing and insurance issues.

– Developed strong multitasking and organizational skills in a fast-paced environment.

Office for Safe and Healthy Neighborhoods (OSHN)   **May 2020 – Aug 2020**   Youth Leadership Fellowship
(Seasonal)

– Participated in leadership and team-building exercises focused on community engagement.

– Assisted in organizing youth events aimed at promoting safe and healthy neighborhood initiatives.

Kentucky Kingdom   **May 2017 – Aug 2019**   Team Member (Part-time)

– Provided customer service and supported team operations in a dynamic park environment.

– Developed communication and teamwork skills by collaborating with diverse staff.

Projects

UPS - Lost Package Matching Application   **Cloud Run,
Docker, Python, SQL** Developed and deployed a scalable application for matching lost packages using Cloud Run, part of Google Cloud Platform (GCP), and Docker. Implemented Python and SQL to manage lost item data, automate matching algorithms, and enhance search functionality. The system uses a similarity scoring algorithm combining fuzzy matching for item descriptions and exact matching for attributes like weight, date, and last known location (SLIC).

Rocket Launch Go/No-Go Decision System for Space Force   **AutoML, H2O, AWS EC2,
Python** Developed an AI-powered model using AutoML and H2O to predict Go/No-Go decisions for rocket launches based on weather data and other launch parameters. Deployed and trained the model on AWS EC2 instances. Integrated real-time data feeds to enhance prediction accuracy and ensure timely decision-making support for Space Force missions. The project optimized launch success rates by identifying potential risks and recommending Go/No-Go actions with high precision.

UPS - WTO Refresh Project   **PL/SQL, SQL, Toad** Developed and optimized complex PL/SQL procedures for the WTO database refresh, enhancing data processing performance and semi-automating workflows. Utilized Toad for efficient package management and database administration throughout the project.

Skills

Programming Languages: Python, SQL, Java, C#, C/C++, JavaScript, HTML5, CSS3

Database Management: MySQL, PL/SQL, Oracle Database, Data Warehousing, Data Visualization, ETL Processes

Cloud Platforms: AWS, Google Cloud (BigQuery)

Software and Tools: GitHub, VS Code, Notepad++, Excel

Involvement, Programs, & Volunteer Work

– Hackathon - Cardinal Impact Weekend: 1st place in 2023 for innovative tech solutions.

– Somali Student Association: Active member, contributing to community-building efforts (2022–2024).

– Muhammad Ali Center Council of Students: Engaged in community service and leadership (Aug 2016 – May 2020).

– Youth Leadership Fellowship: Completed leadership development in August 2020.

– Trio Upward Bounds: Supported educational initiatives for high school students (2019).