Ahmed M Abdullahi

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Career Objective

Aspiring developer with hands-on experience in database management and data analytics. Proficient in SQL, Python, and cloud platforms such as GCP and AWS. Seeking opportunities to contribute to database management, data analytics, and cloud infrastructure projects while collaborating with teams to optimize workflows and drive efficiency.

Education

J.B. Speed School of Engineering, University of Louisville
Bachelor of Science in Computer Science **Expected:** Dec 2024
GPA: 3.44

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 - United States **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 - Louisville, KY **Feb 2022 – Oct 2022**
PRN Patient Access Registrar
– Maintained accurate patient data, ensuring confidentiality and data integrity.
– Gained practical experience with large-scale data entry systems.

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).

AI NP-Complete Problems: A Deep Dive into the Chinese Postman Problem **Python**
Developed a hybrid GA+WoC algorithm to solve the Chinese Postman Problem, applying optimization techniques suitable for large-scale data problems.

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.

HomeLab Ubuntu Server: **Ubuntu, Docker**
Set up and maintain a personal server using Ubuntu for experimentation with data pipelines, network security, and system administration. Integrated Docker for containerized services.

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), Microsoft Azure
Software and Tools: GitHub, VS Code, Notepad++, Excel

Achievements, Programs, & Volunteer Work

– UofL Dean's List: Recognized in 2020, 2022, 2023, 2024 for high academic achievement.
– Hackathon - Cardinal Impact Weekend: 1st place in 2023 for innovative tech solutions.
– 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).
– Somali Student Association: Active member, contributing to community-building efforts (2022–2024).