Dek Mohamud

Atlanta, GA| P: 404-953-2838 |E: dekanalyst@gmail.com | Portfolio | Github | Linked In

EDUCATION

GEORGIA STATE UNIVERSITY — Atlanta, GA
Bachelor of Science — May 2021
Major in Computer Information System
Cumulative GPA: 3.65/4.0; Dean's List 2018-2021
Relevant Coursework: Python, Java Programming, Data Programming, Structured & Unstructured Database Management, Algorithms, Introduction to Artificial Intelligence, Managing IT Projects

WORK EXPERIENCE

FLORENCE HEALTHCARE — Atlanta, GA
Technical Engineer — Sept 2021 – Jan 2025
- Automated reporting processes using Tableau, saving over 10 hours per week and increasing reporting accuracy by 15%.
- Conducted data analysis and developed documentation for client-specific interfaces, ensuring system accuracy and timely project delivery.
- Designed and optimized 5+ RESTful APIs, improving system integration by 25% and enhancing data retrieval speeds.
- Collaborated with clients to implement Single Sign-On (SSO) solutions, improving user access efficiency by 20% and reducing authentication-related issues by 40%.
- Contributed to DevOps initiatives, successfully managing deployment pipelines and achieving a 90.5% success rate in QA-to-production replication.

Georgia State University — Atlanta, GA
Data Entry Specialist — Feb 2019 – May 2020
- Developed reports summarizing key metrics to support data-driven decision-making.
- Ensured compliance with university data security policies and FERPA regulations when handling over 5000 sensitive student data.
- Recovered roughly 1 TB of potentially lost user data on the university's network during campus-wide update.

PROJECTS

MOVIE RECOMMENDATION ENGINE — Mar 2018
- Designed functionality to recommend movies based on analysis of over 20 data points, enhancing user experience through tailored suggestions.

AirBnB Rental Housing — Jan 2023
- Cleaned, transformed, and aggregated datasets using advanced SQL queries, including JOIN, CASE, and GROUP BY, to produce insights.

TECHNICAL SKILLS

- **Data Analytics**: Advanced in SQL, proficient in Python (pandas, numpy, matplotlib), intermediate in JavaScript
- **BI Tools**: Tableau, Power BI
- **Database Systems:** SQL Server, Snowflake
- **ETL Tools:** Tableau Prep, Alteryx
- **Cloud Services**: AWS
- **Project Management:** JIRA, Zendesk