

Muhammed Sheikh

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OBJECTIVE

Detail-oriented Computer Science graduate with hands-on experience in data engineering and full-stack development. Proven ability to optimize ETL pipelines, design data validation frameworks, and enhance user experiences across various platforms. Seeking a challenging role in a growth-focused organization to leverage technical skills, foster data-driven solutions, and contribute to innovative projects.

EDUCATION

Bachelor of Science in Computer Science

Dec 2023

Lewis University, Romeoville, IL

- Cumulative GPA: 3.7/4.0

EXPERIENCE

Data Engineer Intern – H.T Hackney, Grand Rapids, MI

June 2023 – August 2023

- Optimized ETL pipelines, collaborated with a cross-functional team to improve the inventory management system, achieving a 5% reduction in processing time.
- Enhanced existing Tableau dashboards for real-time analytics, aiding data-driven decision-making for distribution and sales teams.
- Participated in weekly training sessions to enhance expertise in full-stack development, data engineering, and industry best practices.
- Participated in code reviews, provided feedback for continuous improvement, and automated routine data validation tasks, freeing up time for complex analysis.

Web Development Intern- Golden Eagle Distributors, Bensenville, IL

May 2022 – September 2023

- Improved the e-commerce platform's user interface, enhancing navigability for wholesale and retail customers.
- Assisted in developing and implementing advanced search filters and product recommendation algorithms, improving customer navigation and product discoverability.
- Participated in debugging sessions to fix website issues, enhancing site performance and user satisfaction.

PROJECTS

Personalized Recommendation System, Data Engineer- Python, Pandas, NumPy, Scikit-learn.

- Collaborative Filtering and Data Integration:** Engineered a movie recommendation engine by merging synthetic and actual user rating data, ensuring robust dataset integrity for the collaborative filtering model.
- User and Item Similarity Modeling:** Developed similarity metrics using cosine similarity to construct precise user-item interaction matrices, enabling effective user and movie matching for recommendations.
- Performance Optimization and Analytics:** Established system accuracy through (RMSE) computation and precision-at-k analysis, ensuring high accuracy and relevancy of the recommendation engine.

Earth Hero App, Full Stack Engineer- HTML/CSS, Vue.js, Ruby on Rails, JavaScript, PostgreSQL, RSpec

- Designed and Implemented User Authentication:** Spearheaded the architecture and implementation of a secure and personalized user authentication mechanism.
- Responsive UI/UX:** Optimized the platform's user interface for various devices, enhancing usability and ensuring a seamless user experience across different screen sizes.
- Backend Report Generation:** Developed the backend algorithms to capture user activities and generate comprehensive sustainability reports, providing actionable insights to users.

CERTIFICATIONS

Actualize Coding bootcamp, Chicago, IL

Mar 2022

Certificate in Full-Stack Development

CORE COMPETENCIES

Java • Python • MySQL • ETL tools • Vue.js • PostgreSQL • REST API • Ruby on Rails • RSpec • JavaScript/ES6
HTML/CSS • Babel • Webpack • Test-driven development • Git • Deployment • Docker • WordPress • JSON