Joshua Singh

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• https://github.com/Jawa-San • Orlando, FL

PROFESSIONAL SUMMARY

Detail-oriented recent Computer Science graduate with hands-on experience developing and optimizing SQL queries, and building data-driven solutions. Proven ability to enhance data infrastructure through effective problem solving and collaboration with cross-functional teams. Strong passion for data management and reporting that drive business insights and support strategic decisions.

TECHNICAL SKILLS

SQL Development • ETL Processes • Data Management • Data Integrity • Optimization • Database Design • YAML • Java • Low-code Platforms • Airtable • Zapier • Collaboration • Innovation

PROFESSIONAL EXPERIENCE

Data Automation Developer | L&S; Logistic Services | Orlando, FL | Mar. 2024 - Oct. 2024

- Developed and optimized SQL queries to extract and manipulate shipping data, enhancing operational efficiency in logistics.
- Built low-code automation tools designed to improve data integrity and performance monitoring within warehouse and delivery processes.
- Collaborated with logistics managers to automate embedding data flows for inventory updates and shipment tracking.

Research Assistant | University of Central Florida, Prof. Boloni's Lab | Orlando, FL | 2023

- Executed data cleaning and validation processes to maintain accuracy in complex datasets for research projects on AI-driven content detection.
- Designed and implemented SQL-based reports that improved the visibility of research data and streamlined analysis workflows.
- Documented workflows and processes to aid future research efforts, ensuring clarity and data governance.

PROJECTS

AI Resume Optimization Platform

- Implemented database design for structured data management, utilizing SQL to enable efficient data extraction and reporting for user-uploaded resumes.
- Created high-performance ETL pipelines to collect and analyze job posting data, automating the feedback process for resume optimization.
- Developed responsive web interface allowing real-time updates on feedback using SQL-based data structures to inform users.

Technologies: Python, OpenAI API, React, PostgreSQL, PDF Parsing

Custom AI Chatbot Builder for Small Businesses

• Designed a streamlined database schema to support dynamic content management for business-specific queries, enhancing response accuracy.

• Developed SQL queries to automate knowledge base updates, ensuring chatbots respond accurately aligned with current business offerings.

• Integrated OpenAI API allowing real-time access to business data through natural language query processing.

Technologies: Python, OpenAI API, JavaScript, Web Scraping, Embeddings

EDUCATION

Bachelor's Degree in Computer Science and Minor in Computational Mathematics and Health Sciences | University of Central Florida | Graduated May 2024

Honors: Received Florida Academic Scholars Bright Futures Scholarship offered to students for 4.0 GPA

Relevant Courses: Database Management Systems, Data Structures and Algorithms, Data Analytics