Joshua Singh

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PROFESSIONAL SUMMARY

Detail-oriented Junior Developer with a solid foundation in Python programming and data automation. Proven experience in developing low-code applications and optimizing workflows for efficiency and accuracy. Eager to apply coding skills, problem-solving abilities, and collaborative spirit to contribute effectively to a dynamic team environment, while ensuring high standards in code quality and performance.

TECHNICAL SKILLS

Python • Data Automation • Application Development • YAML • Low-code Platforms • Collaboration • ETL Pipelines • SQL • Process Optimization • Zapier • Airtable • Version Control (Git) • Decision Engines • Innovation

PROFESSIONAL EXPERIENCE

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

- Developed and maintained automation tools using Python to streamline data workflows, minimizing manual data entry and enhancing logistics operations.
- Collaborated with logistics managers to identify technical challenges and implement AI-driven solutions, improving shipment tracking and inventory updates.
- Integrated solutions with data visualization tools like Airtable and Zapier to empower staff in workflow management, ensuring operational efficiency.

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

- Designed and executed automated workflows for efficient data collection and analysis in AI-driven research projects.
- Built low-code tools to enable team members to visualize outputs and manage datasets, facilitating collaboration and documentation.
- Implemented machine learning decision flows to enhance research efficiency, aligning operations with coding best practices.

PROJECTS

AI Resume Optimization Platform

- Engineered PDF parsing and text extraction for structured data organization, enabling comprehensive AI-driven resume optimization.
- Created a job posting scraper and NLP pipeline to derive critical job criteria from various platforms, supporting targeted resume modifications.
- Implemented a responsive web interface with interactive features for users to obtain real-time feedback on ATS compatibility and industry standards.

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

Custom AI Chatbot Builder for Small Businesses

• Developed systems for content extraction and organization to facilitate contextual responses, enhancing customer support precision through AI integration.

• Utilized OpenAI API with retrieval-augmented generation to ensure chatbot interactions remained relevant and consistent with business protocols.

• Created an embeddable widget system for seamless integration into client websites, improving user experiences with minimal effort.

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 for a 4.0 GPA