

Joshua Singh

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

PROFESSIONAL SUMMARY

Detail-oriented and motivated Junior Developer with a strong foundation in Python and programming fundamentals. Experienced in developing data automation applications, enhancing workflows, and collaborating with cross-functional teams to deliver efficient solutions. Adept at troubleshooting technical issues and contributing to best coding practices within a team environment.

TECHNICAL SKILLS

Python • Data Automation • Application Development • Collaboration • Problem Solving • ETL Pipelines • YAML • Low-code Platforms • Git • Decision Engines • Process Optimization • SQL • Airtable • Zapier

PROFESSIONAL EXPERIENCE

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

- Developed and maintained automation applications and scripts to streamline warehouse and logistics operations, significantly enhancing data processing efficiency.
- Integrated Python and YAML to implement AI-driven systems for automating shipping data processing and identifying delivery issues.
- Collaborated effectively with logistics managers to design practical workflows that automated routine data management tasks such as inventory updates and shipment tracking.

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

- Designed and implemented automated workflows for data collection and analysis, resulting in improved efficiency in AI-driven research projects.
- Created low-code tools that empowered research teams to visualize model outputs and manipulate datasets without deep programming knowledge.
- Documented processes thoroughly to facilitate future code reviews and provide reference for collaborative research efforts.

PROJECTS

AI Resume Optimization Platform

- Engineered parsing capabilities for PDF resumes, structuring data for efficient AI-driven evaluations and keyword optimization.
- Implemented a job posting scraper combined with NLP techniques to extract critical requirements and qualifications directly from career websites.
- Developed an intuitive web interface that incorporates real-time feedback, allowing users to enhance their resumes based on ATS compatibility.

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

Custom AI Chatbot Builder for Small Businesses

- Engineered web scraping functions to ingrain and structure business data, facilitating optimized customer support and user engagement.
- Integrated OpenAI API with state-of-the-art retrieval techniques to ensure chatbot responses met the accuracy and evolving business needs.
- Designed a customizable UI for chatbot embedding, ensuring minimal technical setup for client websites while promoting user-friendly interactions.

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