

# Joshua Singh

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

## PROFESSIONAL SUMMARY

Innovative and results-driven Digital Transformation Engineer with a strong focus on AI-driven solutions and process optimization. Proven track record in developing low-code automation tools that enhance operational efficiency and data management. Adept at collaborating across cross-functional teams to identify AI use cases and implement effective automation workflows in fast-paced environments.

## TECHNICAL SKILLS

Automation Solutions • AI Workflow Development • Process Optimization • Collaboration • Python • JavaScript • YAML • Low-code Platforms • ETL Pipelines • Decision Engines • Data Analysis • Industry Alignment • Innovation

## PROFESSIONAL EXPERIENCE

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

- Identified and deployed AI-driven automation workflows to reduce manual processes, enhancing logistics efficiency and data management.
- Collaborated with logistics teams to map and document end-to-end automation workflows, ensuring high accuracy and continuous optimization.
- Integrated various tools like Airtable and Zapier, facilitating easy management for non-technical staff and automating routine tasks.

### AI Research Automation Analyst | University of Central Florida, Prof. Boloni's Lab | Orlando, FL | 2023

- Engineered automated workflows that streamlined data collection and analysis for AI-driven content detection research.
- Designed visual tools to support researchers in managing datasets and optimizing existing analysis pipelines, aligning with project goals.
- Documented all automation processes to foster collaboration and enhance future research accessibility and efficiency.

## PROJECTS

### AI Resume Optimization Platform

- Developed a platform that leveraged OpenAI API to analyze job positions and optimize resumes, enhancing ATS compatibility and job relevance.
- Engineered powerful PDF parsing and text extraction functionalities for systematic data processing and keyword optimization.
- Created user-driven feedback systems through responsive web interfaces, empowering users to refine resumes based on precise analytics.

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

### AI Video Generation Platform for Social Media

- Created a tool that automates the transformation of educational materials into engaging social media videos, enhancing content accessibility.
- Integrated OpenAI API for content summarization, driving effective communication through AI-powered video segments tailored for specific platforms.
- Developed a custom video rendering pipeline enabling smooth synchronization between various audio and visual elements across formats.

Technologies: Python, OpenAI API, FFmpeg, React, Text-to-Speech

## 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