

JOEL JOSEPH JUSTIN

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Recent Computer Science Engineering graduate with a strong background in software development, automation, and problem-solving. Eager to leverage technical expertise and innovative thinking to drive efficiency, enhance user experiences, and deliver robust, scalable solutions.

EDUCATION

RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY

Bachelor of Technology in Computer Science Engineering

Relevant Coursework: Data Science, Machine Learning, Web Development, Software Engineering, Database Management Systems, Object-Oriented Programming, Artificial Intelligence.

WORK EXPERIENCE

VITALITY LIVING COLLEGE | Remote | Sep 2024 - Mar 2025

Event Documentation and Workflow Automation Developer

- Developed and deployed automation scripts to eliminate repetitive processes, increasing documentation accuracy and improving team efficiency by reducing manual workloads.
- Developed applications for the team to simplify various tasks.
- Worked with multiple teams for technical as well as non-technical tasks.

TECHNICAL SKILLS

- **Programming:** Python, Java, C, SQL
- **Frameworks & Tools:** Flask, Pandas, NumPy, GitHub, Jupyter Notebook
- **Web Development:** Frontend (HTML, CSS, JavaScript), Backend (Flask)
- **Data Science & AI:** Machine Learning, Data Visualization, Power BI

LANGUAGES

- Fluent: English, Hindi, Malayalam
- Conversational: Tamil
- Learning / Basic Understanding: Japanese, Bengali

PROJECTS

Virtual Sliders: Air Hockey Using Hand Detection | Python, OpenCV | Collaborative Project

- Led a four-person team to design and implement a computer vision-based multiplayer air hockey game using OpenCV in which players across devices can move their mallets using hand movements detected by their webcams.
- Engineered a robust GUI and conducted extensive testing to ensure smooth, latency-free gameplay.
- Implemented hand-tracking technology to enhance user interaction

Stock Portfolio Analyzer | Python (Flask), HTML, CSS, JavaScript | Collaborative Project

- Built an online stock portfolio and transaction analysis tool with real-time market insights
- Implemented data retrieval from Yahoo Finance, ensuring accurate and timely portfolio metrics.
- Created custom API endpoints to connect the frontend with the backend

Scriber | Python | Solo Project

- Developed an installable multi-feature application for my team members which automates multiple time-taking manual tasks
- Integrated proofreading and report-generation features to ensure accuracy and speed for documentation processes.
- Easy-to-use user-friendly GUI powered by customTkinter