9073992006 | [jjjj8912@gmail.com](mailto:jjjj8912@gmail.com) | [🌐Portfolio](https://joeyyyyyyy.github.io/Joel-portfolio/)

*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