

ALLEN JOSEPH

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SUMMARY

A Computer Science Engineer with a growing understanding of software development and a genuine passion for technology. Combining a logical mindset with strong soft skills, making a valuable and professional contribution to the innovative culture of IT organizations.

EDUCATION

Amal Jyothi College of Engineering Autonomous

2020 – 2024

B. Tech in Computer Science and Engineering

EXPERIENCE

REVERTECH IT SOLUTION

Flutter Intern

Oct 2022 – Nov 2022

- Developed user interfaces (UI) following modern design principles to ensure smooth user experience.
- Integrated with backend services via APIs to enable real-time data handling and communication.
- Used version control (Git) and GitHub for code collaboration and tracking.

PROJECTS

Bharatanatyam Gesture Recognition with OpenCV | Python, OpenCV, Flask | [Link](#)

Feb 2025

- Developed real-time mudra recognition with 90% accuracy using OpenCV and MediaPipe.
- Built Flask web app for live video streaming and gesture display.
- Enhanced cultural learning with mudra name and meaning displayed instantly.

AI-Driven Multi-Robot Fire Suppression System | Python & Hardware Integration

May 2024

- Created autonomous firefighting robot with indoor navigation.
- Integrated sensors for fire detection and suppression.
- Designed autonomous firefighting robot with 85% fire detection success rate.

SeekAssist: AI-Powered Vision Assistance for the Visually Impaired | Flutter | [Link](#)

Jun 2023

- Built mobile app to describe images using AI with 92% label accuracy.
- Delivered output via voice and text for visually impaired users.
- Improved usability by 30% after feedback from live user testing.

TECHNICAL SKILLS

- **Programming Languages:** Python, C
- **Data Analysis & Visualization:** Pandas, NumPy, Tableau, Power BI, Advanced Excel
- **Databases:** SQL, Firebase (Basic)
- **Frameworks & Libraries:** Flutter, Flask (Basic)
- **Web Technologies:** HTML, CSS
- **Cloud Platforms:** AWS (S3, EC2 – Basic)
- **Developer Tools:** VS Code, GitHub, Android Studio

SOFT SKILLS

Quick learner, Adaptable, Communication, Time-Management Problem-Solving, Presentation, Analytical.

CERTIFICATION

- The Joy of Computing Python by NPTEL
- AWS Essential Training for Developers
- Generative AI Data Analyst