

PARVESH AHAMED S

Electronics and Communication Engineering Student

+91 74486 14403 * Chennai, Tamil Nadu * parveshahamed0209@gmail.com

parveshahameds.vercel.app * linkedin.com/in/parveshahameds * github.com/parveshahameds

EXECUTIVE SUMMARY

Multidisciplinary ECE student with 3+ years of hands-on experience in AI, embedded systems, and full-stack development. Skilled in building and deploying ML-driven tools, IoT systems, and Android applications. Proficient in Python, C++, Embedded C with experience across frameworks like Flask, Firebase, Machine Learning. Passionate about innovation, automation, and solving real-world problems with scalable tech solutions.

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Java, JavaScript, HTML/CSS, Embedded C

Technologies & Frameworks: Machine Learning, Artificial Intelligence, Flask, Firebase, Android Development

Data and Analytics: Data Analysis, Machine Learning, Microsoft Excel, Power BI, Google Sheets, Pandas

Tools & Platforms: Visual Studio Code, Android Studio, Google Colab, GitHub, Render, Vercel, Arduino IDE, Davinci Resolve, Figma, Canva

Hardware & Electronics: Arduino, Microcontrollers, PCB Design, IoT Systems, Embedded Systems

Additional Skills: Film Making, Music Production, Video Editing, Graphic Design, Project Management

PROJECTS

Reframe AI | Python, React, TypeScript

May 2025

- Developed a cinematic video analysis tool with scene-by-scene breakdowns for filmmakers.
- Used computer vision (OpenCV) to extract visual insights like shot composition and color palette.
- Deployed full-stack application with intuitive UI supporting MP4/MOV uploads.

Touch Verify Kiosk | Python, C++, HTML/CSS/JS

March 2025

- Created secure fingerprint-based voting system using Arduino + PC biometric integration.
- Built LCD interface and front-end UI for vote selection and confirmation.
- Developed end-to-end biometric authentication with real-time voting feedback.

Clustify - AI Customer Segmentation Tool | Python, Flask, ML, Render

February 2025

- Built ML-based customer segmentation platform with 100% classification accuracy (12 segments).
- Integrated data dashboards using Flask and deployed on Render cloud.
- Designed supervised learning pipeline for business intelligence insights.

EXPERIENCE

Camware Technologies LLP

June 2025

PCB Assembly Intern

Chennai, Tamil Nadu

- Assembled THT & SMD boards with 90%+ error-free production rate.
- Practiced ESD-safe soldering and quality control on stabilizer PCBs.
- Learned electronics testing and production workflows.

Altruisty

Dec 2024 – Feb 2025

Machine Learning Intern

Chennai, Tamil Nadu

- Built automation scripts for AI tools using Python and TensorFlow.
- Developed **Clustify**, achieving 100% ML accuracy and real-time deployment.
- Implemented chatbots and API automation, improving user engagement by 30%.

Panimalar Engineering College

Mar 2025 – Present

PCB Trainer (Workshop Lead)

Chennai, Tamil Nadu

- Taught PCB design and development to 25+ students via hands-on sessions.
- Coordinated with faculty to deliver structured, practical content.

Infomatronics Project Services <i>Embedded Systems and IoT Intern</i>	October 2024 Chennai, Tamil Nadu
<ul style="list-style-type: none">• Built Arduino-based alarm systems with real-time monitoring.• Integrated IoT devices with mobile UIs via Kodular.• Improved circuit performance and stability by 25%.	

Chennai Kulfi <i>Tech & Business Associate (Part-time)</i>	Apr 2020 – Present Chennai, Tamil Nadu
<ul style="list-style-type: none">• Automated internal ops and built Android tools, improving efficiency by 40%.• Managed B2B outreach, retail setups, and event sales execution.	

EDUCATION

Panimalar Engineering College <i>Bachelor of Engineering in Electronics and Communication Engineering</i>	September 2023 – May 2027 Chennai, Tamil Nadu
---	---

CERTIFICATIONS

Data Acquisition Certification by FutureSkills Prime NASSCOM	May 2024
PCB Debugging and Rework Certification by TANSAM and Flex	January 2025
Tata Data Visualisation: Empowering Business with Effective Insights Job by TCS	June 2025
Oracle Certified Generative AI Proefession by Oracle	July 2024

ACHIEVEMENTS

3rd Place – PECTEAM’24 (Poster Presentation) – Panimalar Engineering College	March 2024
1st Place – SBOANZA’22 (Short Film: "Meendum Meenduma") – SBOA School	October 2022

LEADERSHIP EXPERIENCE

Fruenza’25 Symposium <i>Overall Event Coordinator</i>	Feb 2025 Panimalar Engineering College
<ul style="list-style-type: none">• Led 15-member team to host technical symposium for 200+ participants.• Handled planning, logistics, vendor coordination, and event operations.	
PCB Design Workshop <i>Workshop Trainer (25+ Students)</i>	Mar 2025 Panimalar Engineering College
<ul style="list-style-type: none">• Delivered hands-on PCB training with practical demos and design workflows.• Received 95% satisfaction score from participants.	