

Antony Aakash S

Address: 5/8 North Pattanainarpuram Street, Kallidaikurichi, Tirunelveli, TamilNadu

Mail id: aakash2005s@gmail.com

Phone: +91 7010711848

Portfolio: www.aakashas25.github.io/antony-aakash-s/

Linkedin: antony-aakash-s

Github: AakashAS25

Summary

Energetic and detail-oriented Electrical and Electronics Engineering undergraduate student with hands-on experience in Python programming and web application development using flutter. Demonstrated leadership as a team lead in software projects, combining technical skills with effective project management to deliver user-focused solutions. Recognized for excellence in both technical and volunteer activities, and passionate about leveraging programming to drive innovation in technology-focused environments.

Education

St Xavier's Catholic College of Engineering, BE in Electrical and Electronics Engineering Nov 2022 – May 2026

- CGPA: 8.79/10.0

- **Coursework:** Electrical Drafting using Autocad, Power System Analysis using Scilab & Matlab, Electrical Designing using Excel, Control System Designing using Matlab

St Antony's Matriculation Hr Sec School, HSC May 2022

- Percentage: 76.5%

St Antony's Matriculation Hr Sec School, HSC May 2020

- Percentage: 96.5%

Experience

Flutter Developer, FlutterFrog Software Solutions – Nagercoil, India Feb 2024 – Mar 2024

- Led a team of five, managing end-to-end project delivery and client interactions.
- Spearheaded the development of an online directory application for BNI and YES (Youth Entrepreneur School), Nagercoil.
- Designed and developed the user interface, ensuring an intuitive experience for member search and contact management.
- Architected the data model and integrated the application with Firebase for secure, real-time data handling.
- Received official recognition from YES Nagercoil for delivering a high-impact, user-focused solution on time and within budget.

Student Intern, Manatec Electronics Pvt Ltd – Puducherry, India July 2024

- Worked in the production and manufacturing sector, specializing in the assembly of wheel alignment equipment.
- Conducted MATLAB-based data calibration for precision wheel alignment systems.
- Assisted in the installation and configuration of software on computers used in wheel alignment operations.
- Collaborated with manufacturing teams to ensure quality standards in the assembly process.
- Gained hands-on experience in both hardware assembly and software integration for automotive diagnostic solutions.

Electrical Designing & Drafting Intern, IIGEM Pvt Ltd – Coimbatore, India June 2025 – July 2025

- Worked in the production and manufacturing sector, specializing in the assembly of wheel alignment equipment.
- Conducted MATLAB-based data calibration for precision wheel alignment systems.
- Assisted in the installation and configuration of software on computers used in wheel alignment operations.
- Collaborated with manufacturing teams to ensure quality standards in the assembly process.
- Gained hands-on experience in both hardware assembly and software integration for automotive diagnostic solutions.

Projects

Garbage Image Classification Model

- Developed a real-time garbage image classification model capable of detecting and categorizing waste types such as plastic, metal, and paper using webcam input.
- Leveraged deep learning techniques to automate waste identification and support efficient waste management.
- Tech Stack: Python, Yolo, Google Colab, OpenCV, Pandas

Rock Hostel Automation

- Developed the frontend of a Hostel Automation System, focusing on a seamless and intuitive user interface for efficient hostel management.
- Implemented responsive layouts and user-friendly features, enabling administrators and students to easily access, manage, and track hostel-related operations via a modern web application.
- Tech Stack: Flutter, Git & Dart

TrueTag Mobile Application

- Designed the user interface in Figma and am currently developing the app's frontend, focusing on a modern and intuitive experience for tourist price-checking and reporting.
- Actively involved in translating Figma designs into a responsive and user-friendly mobile application, with ongoing development and feature integration.
- Tech Stack: Flutter, Git & Dart

Residential Building Electrical Design

- Completed a project on the electrical design of a residential building, including lighting calculation, phase distribution, and circuit classification for breaker selection.
- This practical experience in electrical planning and system design contributed to securing an internship opportunity at IIGEM Pvt Ltd.
- Tools Used: AutoCAD, Excel

Technical Skills

Languages: Python, Dart, Java, C, Scilab, Matlab

Frameworks: Flutter

Database: SQL, MongoDB

Version Control: Git

Technologies: Pycharm, VSCode, Github Desktop, eSim, Jupyter Notebooks, Google Colab, Canva, Excel, PowerPoint, AutoCAD

Soft Skills

Leadership Team Management Adaptability & Eagerness to Learn Optimism Positive Attitude

Achievements and Recognitions

- Awarded Best Student Volunteer for organizing over 3 successful events in IET, demonstrating strong leadership and event management skills.
- Secured First Prize in GTEC Education Cybersecurity Quiz Examination, and achieved top honors in paper and poster presentations at Tech fests in St Xavier's Catholic College of Engineering.
- Won First Prize for project presentations at symposiums held at Mar Ephraem College of Engineering and Cape Institute of Technology.
- Selected for the IET Present Around the World Local Network Competition at Trivandrum through Inter-college qualifiers.
- Participated in developing a Control System Toolkit for Scilab, organized by the FOSSEE Club, IIT Bombay
- Selected through college qualifiers and participated in Smart India Hackathon (SIH) 2023 and 2024, representing our college at the National level.