

ASMITHA BANU

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OBJECTIVE

Aspiring Electronics and Communication Engineer with strong technical skills in programming and developing innovative solutions. Seeking an opportunity to contribute to impactful projects, enhance operational efficiency, and advance my technical and professional growth.

EDUCATION

Panimalar Engineering College, Chennai Oct 2022 – May 2026

Bachelor of Engineering in Electronics and Communication

Dawn Matriculation Higher Secondary School, Chennai Jun 2021 – May 2022

Higher Secondary Examination

TECHNICAL SKILLS

Programming Languages: Java, Python (Basics)

Database: SQL

Web Technologies: HTML, CSS, JavaScript(Basics)

INTERNSHIP

Eisystem Of Technologies | AICTE May 2024 – Jun 2024

- Developed an **Attendance Tracker** using Python to automate student attendance management, minimizing manual effort and errors while enhancing efficiency and reliability.
- Gained hands-on experience in Python programming, data manipulation, and building user-friendly applications.

Infomatronics Project Services | Intern & Project Associate Mar 2024–Apr 2025

- Worked on various software projects including **web development and IoT applications**. Contributed to the execution of technical solutions and handled **company documentation**.
- Conducted internship and workshop training sessions, demonstrating strong problem-solving skills, teamwork, and professional ethics, playing an active role in the company's operations and training programs.

PROJECTS

Motion Light Sensor Aug 2023

- Designed and implemented a low-cost motion light sensor system that automatically switches lights on when a person enters a room and off when they leave, ensuring energy efficiency.

Soft Smile Dental Care Website| Dental Website Aug 2024

- Contributed to the front-end development of a dental website project for a startup, focusing on enhancing user interface and experience.

Hotel Website| Freelancing Aug 2024

- Assisted in the development of a hotel website by creating pages for various food categories, including beverages and chicken dishes, etc., contributing to the overall design and functionality.

Automatic Plant Watering System Sept 2024

- Developed an automatic plant watering system that senses soil moisture levels and supplies the required amount of water, stopping automatically once optimal moisture is achieved, ensuring efficient water usage.

Traffic Sign Recognition Using MATLAB Oct 2024

- Developed a real-time traffic sign recognition system using MATLAB, which captures live video, processes images, and uses machine learning to identify and display traffic signs in real-time, with applications in autonomous driving and road safety.

CERTIFICATES

- [HTML](#)
- [CSS](#)
- [BASICS OF JAVA](#)
- [OOPS](#)
- [SQL](#)

RESEARCH & PAPER PRESENTATIONS

- Wireless Charging Roads for EVs**
Presented at the 8th International Conference on Intelligent Computing (IConIC 2025), Panimalar Engineering College, Chennai – March 21–22, 2025.
- Track N Seat: Smart Bus Seat Vacancy Detection and Arrival Alerts**
Presented at the 8th International Conference on Intelligent Computing (IConIC 2025), Panimalar Engineering College, Chennai – March 21–22, 2025.