ASMITHA BANU

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in linkedin.com/in/asmi18   github.com/Asmi1804   </> LeetCode   Portfolio

Career Objective

Aspiring Software Engineer with strong foundations in Java, SQL, and web technologies. Possessing strong analytical thinking and problem-solving skills, passionate about building user-centric applications and contributing to scalable software solutions while continuously improving technical expertise.

Education

- **Panimalar Engineering College, Chennai**   Oct 2022 – May 2026
  Bachelor of Engineering in Electronics and Communication Engineering   **CGPA: 8.95**
- **Dawn Matriculation Higher Secondary School, Chennai**   Jun 2021 – May 2022
  Higher Secondary Examination   **Percentage: 84.16%**

Technical Skills

- **Programming Language:** Java
- **Database:** SQL
- **Web Technologies:** HTML, CSS, JavaScript (Basics)

Internship Experience

- **Eisystem of Technologies (AICTE)**   May 2024 – Jun 2024
  Built an Attendance Tracker using Python, gaining hands-on experience in automation, data handling, and user-friendly application development.
- **Informatronics Project Services – Intern & Project Associate**   Mar 2024 – Apr 2025
  Worked on web and IoT-based projects, conducted technical training sessions, handled documentation, and supported company operations.

Projects

- **Motion Light Sensor**   Aug 2023
  Designed an automatic lighting system using IR sensors and Arduino to control lights based on motion detection.
- **Soft Smile Dental Care Website**   Aug 2024
  Contributed to front-end UI/UX development using HTML, CSS, and JavaScript for a dental startup.
- **Hotel Website (Freelancing Project)**   Aug 2024
  Developed food category pages and enhanced website functionality using HTML, CSS, and JavaScript.
- **Automatic Plant Watering System**   Sept 2024
  Built a moisture-sensing Arduino-based system that automatically waters plants and stops at optimal moisture levels.
- **Traffic Sign Recognition Using MATLAB**   Oct 2024
  Developed a real-time traffic sign detection system using image processing and machine learning techniques in MATLAB.

Certifications

- Great Learning – HTML Certification
- Great Learning – CSS Certification
- Simplilearn – Basics of Java
- Simplilearn – Object Oriented Programming (OOPS)
- Cognitive Class (IBM) – SQL and Relational Databases 101

Research & Paper Presentations

- **Wireless Charging Roads for EVs**
  Presented at the 8th International Conference on Intelligent Computing (IConIC 2025), Panimalar Engineering College, Chennai.
- **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.

Soft Skills

Communication, Leadership, Analytical Thinking, Problem-Solving, Adaptability, Teamwork

Languages Known

Tamil, English, Hindi