

GAYATHRI G

Software Engineer

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[GitHub: github.com/GAYATHRI1006](#) [✉](#) — [PortFolio: https://gayathri-dev-folio.vercel.app/](#) [✉](#)

Education

IFET College of Engineering - Villupuram, Tamil Nadu, India

Nov 2022 – May 2026

Bachelor of Engineering in Electronics and Communication Engineering (*Hons. - AI*)

CGPA: 8.97/10

12th: **95.3%** 10th: **97.6%**

Technical Skills

Programming: Java, C, Python

Web: HTML, CSS, JavaScript, React, Tailwind CSS

Deployment: Vercel, Netlify

APIs: REST APIs, JDBC

Tools: Git, GitHub, VS Code, Eclipse

Databases: MySQL (SQL)

Networking: Basics of CCNA

Problem Solving: Skill Rack Challenges

ERP: Basics of SAP

AI/ML: Fundamentals of AI/ML

Projects

Talk to Your Database - AI SaaS Product

[\[GitHub\]](#) [✉](#)

React, FastAPI, MySQL, Gemini LLM, OpenRouter API

- Developed an AI-powered SaaS app to query MySQL in plain English by translating natural language into SQL using LLMs (Gemini via OpenRouter API).
- Built with React and FastAPI, integrated with MySQL for real-time querying, improving efficiency by 35%.

Debugging Dare Website

[\[GitHub\]](#) [✉](#)

Django, Tailwind CSS, JavaScript, HTML, CSS, Python

- Designed and implemented the frontend of a real-time platform integrating coding challenges and quizzes, using Tailwind.
- Improved user experience and mobile responsiveness by optimizing interface workflows, resulting in a 40% performance boost.

Real-Time Earthquake Alert And Automated Home Safety System For Enhanced Protection

[\[GitHub\]](#) [✉](#)

Vibration Sensor, ESP8266 Microcontroller, Buzzer, LCD Display, Solenoid Valve, Relay Module, Blynk Mobile App

- Built an IoT system using ESP8266 and vibration sensor to trigger alerts and shut off gas via solenoid valve for home safety.
- Integrated Blynk mobile app for real-time notifications, enabling remote monitoring and quick emergency response.

Internship Experience

Altruisty

Jan 2025 – Mar 2025

Frontend Developer (Remote)

Chennai, Tamil Nadu

- Gained hands-on exposure to Python full stack workflows using Django for page rendering.
- Designed responsive web interfaces using Django and Tailwind CSS.

Layercodes Technologies

July 2024 – Aug 2024

Web Development and Hosting Intern (On-Site)

Villupuram, Tamil Nadu

- Gained practical experience in website development and web hosting workflows.
- Built and deployed a static restaurant website and other mini web projects on Netlify and Vercel.

Achievements

- Academic Excellence:** Secured school-level **First Place** in SSLC Board Examinations.
- Top Performer:** Ranked in the **Top 10** in HSC Board Examinations.
- UG Academics:** Academic **Topper** in the 3rd semester at IFET College of Engineering.
- Research Recognition:** Awarded **Second Prize** in a Research Talk at Adhiparasakthi Engineering College.
- Quiz Competition:** Won **Second Prize** in the “Key Crack” quiz competition at SKP Engineering College.
- Project Expo & Poster Presentation:** Awarded **Third Prize** in Intra-College Competition (*E-Gadgets*).
- Circuit Debug:** Won **First Prize** in Circuit Debug Competition in an Intra-College event.
- Publication:** *Artificial Intelligence Supported Instinctive Irrigation System Using Arduino and ZigBee in Wireless Sensor Network*, **IJARTET**, Vol. 10, Issue 6, June 2023.

Certifications

- Python Programming (CSC)
- Java Easy Level Problem (SkillRack)
- SQL Basics (SkillRack)
- CCNA (Cisco): Introduction to Networks, Switching and Routing, Enterprise Networking
- SAP: Introduction To SAP (Great Learning)

Responsibilities

- Class Representative:** Coordinated academics and addressed student concerns.
- Innovation Cell Team Leader:** Led and coordinated my team to participate in technical events and research.
- Class and House Captain:** Served continuously as Class Captain and House Captain from Fifth to Tenth standard.
- ISRO World Space Week Panel Member:** Presented ISRO projects to 5,000+ students.