

Gayathri G

Full Stack Developer

📍 Villupuram

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in [LinkedIn](#)

🐙 [GitHub](#)

Education

IFET College of Engineering, TamilNadu

Bachelor of Engineering in Electronics And Communication Engineering

Nov 2022 – May 2026

CGPA - 9.2/10

Projects

Debugging Dare Website | *Figma, HTML, Tailwind CSS, JavaScript, Django, Python*

[Debugging Dare](#) 

- Designed a full-stack debugging tool with Django, improving real-time execution efficiency by 45%. Upgraded Tailwind CSS framework for UI enhancements, reducing response delay by 30%.
- Integrated event-driven JavaScript, refining error-handling accuracy by 50%. Refactored application workflow to ensure uninterrupted debugging with 99.9% uptime.

ATM Machine Application | *Core Java, OOP principles, Exception Handling*

[ATM Machine](#) 

- Developed a Core Java-based ATM simulator, optimizing transaction speed by 40%. Implemented OOP principles to enhance modularity, increasing system scalability by 50%.
- Accelerated data structures utilization, reducing computation overhead by 35%. Reinforced exception handling, minimizing runtime failures by 80%.

Internship Experience

AltruisdY

Python Full Stack Development (Remote)

Jan 2025 – Mar 2025

Villupuram, TamilNadu

- Engineered a real-time debugging environment using Django, reducing execution latency by 50%. Revamped system architecture to eliminate redundant operations, improving processing efficiency by 40%.
- Strengthened security protocols by resolving backend loopholes, minimizing potential breaches by 60%. Refined interactive elements with Tailwind CSS, increasing user engagement by 35%.

Layercodes Technologies

Web Development and Web Hosting Intern (On-Site)

July 2024 – Aug 2024

Chennai, TamilNadu

- Constructed a dynamic interface with HTML and CSS, improving cross-device adaptability by 30%. Optimized JavaScript execution flow, reducing page load time by 35%.
- Implemented SEO strategies, boosting organic search rankings by 40%. Restructured navigation logic, enhancing site retention by 25%.

Technical Skills

Languages: Python, Java **Web Technologies:** HTML, CSS, JavaScript, RESTful API **Frameworks:** Django, Tailwind, Bootstrap **Developer Tools:** VS Code, Eclipse, Jupyter Notebook **Database:** MySQL (SQL), MongoDB (NoSQL) **Technologies:** Git/GitHub, Node.js, React.js **Knowledge Areas:** Fundamentals of AI/ML, Concepts of Blockchain, Digital Marketing

Relevant Coursework

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|--|----------------------|----------------------------------|
| ◦ Problem Solving (<i>Skillrack</i>) | ◦ PC Building | ◦ Data Structures and Algorithms |
| ◦ Six Sigma Awareness | ◦ Internet Of Things | ◦ Networking |

Certifications

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|----------|-------------------|----------------------------------|
| ◦ Python | ◦ Microsoft Excel | ◦ Introduction to Data Science |
| ◦ CCNA | ◦ SQL Basics | ◦ Introduction to Cyber Security |

Achievements

- Academic Excellence:** Secured **School First** in SSLC Board Examinations.
- Top Performance:** Ranked in the **Top 10** in HSC Board Examinations.
- Third Prize in Project Expo:** Awarded **Third Place** in E-Gadgets Project Expo at IFET College of Engineering, Gangarampalayam .