

SRIRAM G S

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EDUCATION

Karpagam College of Engineering

Coimbatore, Tamil Nadu

B.Tech in Information Technology (CGPA: 8.5/10)

2025 – 2029

- Merit Scholar — 100% Tuition Fee Waiver and 25% Hostel Fee Waiver.

TECHNICAL SKILLS

Languages: Java, Python, C++, C, JavaScript, SQL

Web & Databases: HTML5, CSS3, Bootstrap, MySQL

Core CS: Data Structures & Algorithms, Object-Oriented Programming, Graph Algorithms, Problem Solving

AI & Data: Artificial Intelligence, Prompt Engineering, Pandas, Data Science

Developer Tools: Git, GitHub, AWS, VS Code, Power BI, Arduino, Figma, Canva

Additional: Internet of Things (IoT)

PROJECTS

Intelligent Traffic Flow Prediction & Dynamic Routing | *JavaScript, Leaflet.js, Chart.js, OSRM*

[Live](#) | [GitHub](#)

- Modeled a city traffic network as a **weighted directed graph** and implemented **Dijkstra's** and **A* search** (Haversine heuristic) with a custom **binary heap priority queue** — fully client-side, zero backend.
- Built dynamic incident reporting that penalizes edge weights (up to 5×) for adaptive rerouting; integrated **Leaflet.js** + **OpenStreetMap** for real-time congestion visualization.
- Added **Chart.js** dashboards for 24-hour traffic forecasting and algorithm benchmarking; deployed as a static **SPA** on GitHub Pages.

LiFi Communication System | *Arduino UNO, C++, Embedded Systems, LED/LDR*

[Live](#) | [GitHub](#)

- Engineered a **LiFi wireless data transmission system** using LED light modulation to encode binary data, with an LDR receiver averaging 3 analog samples per bit for reliable reconstruction.
- Authored **Arduino firmware in C++** for an 8-bit serial encoding/decoding pipeline, demonstrating **hardware-software co-design** with breadboarded modules and configurable bit timing.

Festraa — Event Booking Platform | *HTML5, CSS3, JavaScript, LocalStorage API*

[Live](#) | [GitHub](#)

- Architected a **Single Page Application** with client-side authentication, session management, and role-aware UI routing — rendered in one HTML file via JS page-switching, no framework.
- Implemented **LocalStorage persistence** for profiles, booking history, and event catalogs; built a mobile-first responsive layout using CSS variables and glassmorphism design.

COMPETITIVE PROGRAMMING & ACHIEVEMENTS

Multi-Platform Competitive Programmer | codolio.com/profile/gssriram

- **1575+ DSA Problems Solved** across LeetCode, CodeChef, Codeforces, GeeksforGeeks, Code360 & HackerRank | **117+ Active Coding Days** | **89+ Day Streak** | **58 Contests**.
- **LeetCode:** Peak **1759** | Top **9.87%** Globally | 21 Contests | **63+ Day POTD Streak** | **CodeChef:** 2★, Peak **1570**, DSA Rating **1708**, 20 Contests.
- **Codeforces:** Pupil, Peak **1272**, 14 Contests | **Code360:** Achiever, Peak **1644**, 3 Contests, 26+ Day Streak | **GFG:** Institute Rank **Top 25**, 63+ Day POTD Streak.
- **Codolio College Rankings:** #1 Codeforces | #3 LeetCode | #5 Problems Solved | #6 C-Score | **Achievements:** Google The Big Code 2026 — Top 15,000 in India; 100% Attendance Certificate of Appreciation.

EXPERIENCE & OPEN SOURCE

Thiranex

Chennai, India

Full Stack Developer Intern

May 2026 – Jun 2026

- Built a responsive portfolio web app with dark/light theming, scroll-reveal animations, and interactive project modals using HTML5, CSS3, and JavaScript.

Way2Me

Namakkal, India

Web Developer Intern

May 2026 – Jun 2026

- Built responsive frontend components with HTML, CSS, and JavaScript for a live consumer-facing web application.

Infosys Springboard

Bengaluru, India

Python Developer Intern (Upcoming)

Oct 2026 – Dec 2026

- Selected for a 3-month Python & Software Engineering internship after clearing a video-proctored assessment.

Notepad++

Open Source

Open Source Contributor

2026 – Present

- Currently contributing to Notepad++ open source through localization and translation workflow improvements using Git/GitHub.

CERTIFICATIONS

Microsoft: AI Skills Fest 2026, Power BI | **IBM:** Python for Data Science, Python 101 for Data Science | **HackerRank:** Software Engineer, Software Engineer Intern, Problem Solving (Intermediate), Java

NPTEL: Internet Crimes & Cyber Security (Elite + Silver) | **IIT Bombay:** Spoken Tutorial — C, HTML | **Samsung:** Solve for Tomorrow 2026 | **Other:** CodinGame C++, AWS, Git & GitHub, AICTE PARAKH, Infosys Springboard (SWE & Agile)