

# SURYA MURUGAN

Aspiring Software Engineer | Full Stack Developer

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## Summary

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Pre-final year Information Technology student with strong fundamentals in Data Structures & Algorithms and backend development using Spring Boot. Experienced in building REST APIs and database-driven applications through academic projects and internships. Familiar with MySQL, MongoDB, AWS, Git and CI/CD. Passionate about learning, problem solving and teamwork, and recognized as an IEEE-published researcher and Mastek hackathon semi-finalist.

## Education

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### Sri Sai Ram Institute of Technology

Bachelor of Technology in Information Technology  
CGPA: 8.60

Sep 2023 – May 2027 (Expected)

## Professional Experience

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### PopAppz Software Solutions LLP

Full Stack Developer Intern

Chennai, India

16 June 2025 – 16 July 2025

- Contributed to a logistics booking and tracking platform for Mohita Forwarders, handling 40+ shipments.
- Built a custom admin dashboard with 5+ modules including booking, status updates, POD uploads and reports.
- Implemented 10+ backend APIs and CRUD operations enabling real-time shipment tracking using MySQL.
- Technologies: HTML, CSS, JavaScript, PHP, MySQL.

### Inspirisys Solutions Limited

Web Developer Intern

Chennai, India

10 June 2024 – 10 July 2024

- Contributed to developing a responsive e-commerce website showcasing 20+ products with cross-device support.
- Implemented UI optimizations that improved page load speed by 15% and enhanced overall user experience.
- Technologies: HTML, CSS, JavaScript.

## Projects

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### SEV-AI: AI-Powered Symptom Triage Platform

SEV-AI ↗

- Developed a Flutter-based healthcare app providing AI-assisted symptom analysis via a conversational interface.
- Designed and implemented role-based UI (User, Doctor, Admin) supporting triage, alerts, hospital discovery, medication reminders and teleconsultation.
- Built RESTful APIs using Spring Boot and Spring Data JPA, integrating MongoDB and MySQL for efficient data management.

### FloodSense: AI-Based Lake Flood Monitoring and Prediction System

FloodSense ↗

- Built a Flutter mobile dashboard for real-time flood monitoring with water level insights, predictions and alerts.
- Designed responsive UI and integrated REST APIs to fetch sensor data, ML predictions and weather updates.
- Connected MySQL database for storing data, enabling location-based lake detection and real-time notifications.

## Skills

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**Languages:** Java, Python, C

**Frontend:** HTML, CSS, JavaScript, Flutter

**Backend:** Spring Boot, Spring Data JPA, Hibernate, REST APIs, JWT Authentication, API Security, PHP

**Databases:** MySQL, MongoDB

**Tools & Platforms:** Git, GitHub, Postman, AWS (EC2, S3), CI/CD (GitHub Actions)

**Coursework:** Data Structures and Algorithms, OOPS, DBMS, Operating Systems, Computer Networks

**Soft Skills:** Communication, Problem Solving, Teamwork, Adaptability, Analytical Thinking

## Certifications

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- MongoDB Certification – ICT Academy | Oct – 2025 [\[View Certificate\]](#)
- Oracle Certified Foundations Associate (ERP) | Apr – 2025 [\[View Certificate\]](#)

## Research & Achievements

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- Accepted at IEEE EarthSense 2025: “*GlacioNet: An AI-Driven Framework for Predicting Glacier Retreat and Its Impact on Freshwater Security.*”
- Semi-Finalist – Mastek Project Deep Blue Season 11 Hackathon (Nov 2025 - Feb 2026)

DOI ↗