

MAGESH HARIRAM K

Full Stack Developer | System Engineer Intern @ EdgeVerve (Infosys Finacle)

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Information Technology graduate (CGPA 8.62) and System Engineer Intern at EdgeVerve (Infosys Finacle), contributing to Finacle core banking solutions through API integration, debugging, and production-grade support. Full-stack developer with hands-on experience across Angular, React, Node.js/Express, Spring Boot, MySQL, and MongoDB, including building and hardening a production-style restaurant management platform (JWT auth, state-machine order workflows, structured logging). Additional strengths in IoT and applied ML through ESP32-based predictive systems. Seeking SDE / Full Stack / Backend Developer roles at product companies and fintech startups.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Java, Python, SQL
- **Frontend:** Angular (17/21, standalone components), React, HTML5, CSS3, RxJS
- **Backend:** Node.js, Express.js, Spring Boot, FastAPI, REST API design, JWT authentication
- **Databases:** MySQL, Oracle SQL, MongoDB, Sequelize ORM
- **Tools & Platforms:** Git/GitHub, Postman, IntelliJ IDEA, VS Code, Render, Netlify
- **Concepts:** Full-Stack Development, IoT Systems, Machine Learning (TF-IDF, Logistic Regression, Random Forest), Cloud Computing, System Design Fundamentals, Agile Collaboration

PROFESSIONAL EXPERIENCE

System Engineer Intern - EdgeVerve (Infosys Finacle)

Feb 2026 - Present

Bengaluru, India

- Contribute to enterprise banking solutions on the Finacle core banking product, supporting system development and debugging in a production-level environment.
- Assist with API integration and testing to ensure reliable, scalable financial software delivery.

AI Intern - R Tech Solution

Jan 2025

Perambalur, India

- Covered Neural Networks, NLP, and Computer Vision; built a rule-based NLP chatbot for greeting responses.

AI & Data Analytics Intern - AICTE, Shell India & Edunet Foundation (Skills4Future)

Dec 2024 - Jan 2025

Remote

- Applied Neural Networks, NLP, and Computer Vision concepts on a green-skills project, building a rule-based chatbot tuned to respond with intended, context-specific replies.

IoT Intern - VEI Technologies

Dec 2024 - Jan 2025

Chennai, India

- Hands-on exposure to sensor technologies, data transmission, and real-time monitoring (15-day internship).

Java Full Stack Intern - VEI Technologies

Jul 2024

Chennai, India

- Built a responsive Employee Management web application with a Java-based backend and modern frontend tools (21-day internship).

Web Development Intern - Techvolt Software Pvt. Ltd.

Aug 2023

Coimbatore, India

- Built static web pages with HTML and CSS, focusing on layout design and UI styling.

PROJECTS

The Cozy Table - Full-Stack Restaurant Management Platform

Angular 21, Node.js/Express, Sequelize, MySQL

GitHub: https://github.com/mageshit24/cozy_table_restaurant_app.git

- Built a dual-role (customer/admin) restaurant management platform with JWT authentication and an in-memory token blacklist for secure session handling.
- Designed a state-machine-driven order workflow with defined terminal states, and implemented structured logging with Winston for production-grade observability.
- Resolved RxJS stream-termination bugs and Angular change-detection issues to keep real-time order polling reliable across components.

A Decentralized IoT & ML Framework for Hyperlocal Cloudburst Prediction

ESP32, LoRa, Random Forest, Flask

GitHub: <https://github.com/mageshit24/A-Decentralized-IoT-and-Machine-Learning-Framework-for-Hyperlocal-Cloudburst-Prediction.git>

- Designed a decentralized IoT and machine learning system for real-time hyperlocal cloudburst prediction using ESP32 sensor nodes and LoRa communication.
- Trained a Random Forest model served via Flask for real-time monitoring and data-driven alerts.

Insomnia Prediction Using IoT-Integrated Smart Pillow

ESP32, MongoDB, Blynk

GitHub: <https://github.com/mageshit24/Insomnia-Prediction-Using-IoT-Integrated-Smart-Pillow.git>

- Built an AI-powered IoT smart pillow using multi-sensor integration to monitor sleep patterns and predict insomnia in real time, with MongoDB storage and Blynk live alerts.

Additional Projects:

- **Employee Management System** - Spring Boot REST backend with a React frontend and MySQL database. (GitHub: <https://github.com/mageshit24/Employee-Management-System.git>)
- **Student Attendance Tracker with Alcohol Detection** - ESP32-based embedded system combining RFID/biometric attendance with real-time alcohol-sensor safety checks. (GitHub: <https://github.com/mageshit24/Student-Attendance-Tracker-with-Alcohol-Detection.git>)
- **Driver Drowsiness Detection and Alert System** – Python/OpenCV eye-aspect-ratio detector with audio and GPS-tagged email alerts. (GitHub: <https://github.com/mageshit24/Driver-Drowsiness-Alert.git>)
- **ToDo List Web Application (MERN)** - Full-CRUD app deployed on Render (backend) and Netlify (frontend). (Live: <https://todolist-web-mern-project.netlify.app/>)
- **Angular ToDoList** - Standalone-component task manager deployed on Netlify. (Live: <https://angulartodolistminiproject.netlify.app/>)
- **Flappy Bird (Java Swing)** – OOP-based recreation with custom animations and collision detection. (GitHub: <https://github.com/mageshit24/FlappyBird.git>)

EDUCATION

B.Tech, Information Technology - Hindusthan Institute of Technology

Nov 2022 - Apr 2026

Coimbatore, India | CGPA: 8.62

HSC - TNDTA RMP Pulamadan Chettiar National Hr. Sec. School

Jun 2021 - May 2022

Sathankulam, India | 81%

SSLC - TNDTA RMP Pulamadan Chettiar National Hr. Sec. School

Jun 2019 - May 2020

Sathankulam, India | 90.2%

CERTIFICATIONS

- NPTEL - Cloud Computing, IIT Kharagpur - Elite Certification, scored 60% among 30,816 candidates (2024)
- NPTEL - Introduction to Internet of Things, IIT Kharagpur – Elite + Silver Badge, scored 76% (2025)
- Diploma in MS-Office (DMO), CSC Computer Software College - Grade A (2022)

ACHIEVEMENTS & LEADERSHIP

- Served as Class Representative from 2nd year to final year; led both mini and major academic projects as Team Lead.
- Tamil Nadu State Level English Proficiency Test - Certificate of Merit, District-Level Rank (2016).
- First Place, Tamil Poem Recitation (2015); Second Place, Tamil Speech (2014) - Independence Day events.