

JEGATHEESAN B

Software Engineer | Full Stack Development • Artificial Intelligence • IoT

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Tamil Nadu, India

PROFESSIONAL SUMMARY

Pre-Final-year B.Tech Information Technology student (graduating July 2027) with production-level experience in full-stack web development, machine learning, and Internet of Things systems. Co-founded a student technology startup, led collaborative and cross-functional engineering teams, and delivered scalable software solutions for real clients. Demonstrates strong critical thinking, adaptability, teamwork, and innovation — with good interpersonal communication skills

TECHNICAL SKILLS

Languages	Java, Python, JavaScript, C, C++
Web Development	React.js, Node.js, Express.js, HTML5, CSS3, REST APIs, MongoDB
AI and ML	TensorFlow, Scikit-learn, Pandas, NumPy, Natural Language Processing, LLM
Databases	MongoDB, MySQL, Firebase — relational and non-relational databases
Cloud and DevOps	Git, GitHub, Continuous Integration, Agile, Scrum, Application Security, Postman
Big Data and IoT	Data Warehousing, Arduino, Sensor Integration, Embedded C, Real-time Systems

PROFESSIONAL EXPERIENCE

Co-Founder & Lead Developer — HYBIX Student Startup

Aug 2024 – Present

- Founded and scaled a student technology startup, delivering 7+ client projects using full-stack web architecture from concept to production deployment.
- Directed a cross-functional team of 4 engineers across Agile sprints, continuous integration workflows, and secure coding standards throughout the software development life cycle.

Web Development Intern — Volunteering job, Madurai

2024

- Developed responsive web applications using React.js, Node.js, and MongoDB, achieving a 40% reduction in average page load time.
- Collaborated in Agile sprints, contributed to code reviews, and delivered production-ready REST API integrations across 5+ application modules.

Data Science Intern — V CodeZ Technologies, Chennai

May 2025 – July 2025

- Built machine learning classification models using Python and Scikit-learn, achieving 88% prediction accuracy through feature engineering and parameter optimisation.
- Processed and synthesised large-scale datasets, generating actionable data visualisations using Matplotlib and Seaborn for stakeholder reporting.

KEY PROJECTS

AI Stock Price Prediction System | Python, TensorFlow, Flask, React.js

- Engineered a deep learning model trained on 5 years of historical financial data, achieving 92% directional accuracy; deployed via Flask API on an interactive React dashboard.

Real-Time Chat Application | React.js, Node.js, Socket.io, MongoDB

- Architected a Web Socket-based multi-user messaging platform with token-based authentication and role-based access control, achieving sub-100ms message delivery at scale.

AI Chatbot and Fake News Detection | Python, Natural Language Processing, Scikit-learn

- Designed a conversational AI chatbot integrated with a text classification pipeline for misinformation detection, achieving 85% classification accuracy.

IoT Water Quality Monitoring System | Arduino, Embedded C, IoT Sensors

- Built a real-time water quality sensor network measuring turbidity and dissolved solids, with a live data dashboard enabling environmental field monitoring across 3 test sites.

EDUCATION

B.Tech – Information Technology

Expected July 2027

Kalasalingam Academy of Research and Education (KARE) | No Active Backlogs

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Machine Learning, Big Data Concepts

LEADERSHIP & CERTIFICATIONS

Full Stack Team Lead — KARE 10X Club

July 2024 – Present

- Led a full-stack student engineering team of 11 members, organised coding SDG Hackathon, and mentored 347+ students. Demonstrating strong leadership, communication, and teamwork.

Certifications

- Infosys Springboard: Advanced Programming, Angular Development
- HP LIFE: Data Science, Web Development, Machine Learning Basics