

SIVASURYA VARIKOOTI

FullStack Developer

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Summary

Full-Stack Developer with expertise in Java, Spring Boot, React.js, Node.js, and MongoDB. Skilled in building responsive applications, REST APIs, and user-friendly interfaces using Figma. Experienced through internships and projects in developing scalable solutions and delivering impactful user experiences.

Skills

Programming Languages: Java, Python, JavaScript, HTML, CSS

Frameworks/Libraries: Spring Boot, React.js, React Native, Node.js, Express, Django, Bootstrap, NumPy, Pandas

Tools: Git/GitHub, VS Code, Google Colab, Eclipse, Spring Tool Suite (STS), Figma

Coursework: Operating Systems, Computer Networks, OOP, DBMS

Internship

FarmXpert – Full Stack Project

May 2025 – Jun 2025

Self / Academic Project

Tools Used: React.js, Node.js, MongoDB, TensorFlow, Google Maps API, OpenWeather API

- Designed and developed **FarmXpert**, a farmer-assist platform providing crop recommendation, disease detection, fertilizer e-commerce, weather insights, and a Telugu voice chatbot.
- Implemented **Crop Recommendation** with soil test center locator using Google Maps API and dynamic forms for NPK values.
- Built an AI-powered **Disease Identification module** to detect plant diseases from leaf images and suggest treatments.
- Developed an online **Fertilizer Store** with category filters (organic/inorganic/bio) and payment integration.
- Integrated **Weather Climate APIs** for 5-day forecasts and seasonal crop suggestions to reduce farming losses.
- Added an **AI-powered chatbot with Telugu voice support**, enabling farmers to interact in their regional language.

Projects

Food Ordering System | Python, Django, SQLite, HTML, CSS, JavaScript

Aug 2024 – Sep 2024

- Developed and deployed a comprehensive food ordering platform with secure authentication, payment gateway integration, and order management.
- Enhanced order processing efficiency by **20%** through optimized database queries and workflows.
- Deployed on PythonAnywhere, ensuring scalability, reliability, and consistent user experience.

Cinemax (Movie Ticket Booking System) | HTML, CSS, JavaScript, EmailJS

Jun 2024 – July 2024

- Designed and implemented a fully responsive ticket booking application with dynamic seat selection and real-time updates.
- Integrated automated email confirmations via EmailJS to improve customer engagement.
- Built a mobile-friendly UI for better accessibility and user experience.

Awards & Certifications

- **IT Specialist Certificate in JavaScript – Certiport (2024):** Completed hands-on projects demonstrating core JavaScript concepts, DOM manipulation, and problem-solving through practical coding exercises.
- **HackerRank Java Programming Certificate (2024):** Certified for solving coding challenges in Java covering OOP, data structures, and algorithmic problem-solving.
- **Full Stack Development Certificate – Technical Hub (2024):** Completed a 1-year program covering frontend, backend, databases, and deployment.

Education

B.Tech AIML

Aditya Engineering College, Surrapaleam

Graduated: 2026

CGPA: 8.27 / 10