

ZINNITH VMJ

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

EDUCATION

SATYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

BACHELOR OF ENGINEERING IN
COMPUTER SCIENCE | 2021–2025
CGPA : 7.49

ALPHONSA MATRIC HIGHER SECONDARY SCHOOL

HSC | 2021
PERCENTAGE: 81.3

ALPHONSA MATRIC HIGHER SECONDARY SCHOOL

SSLC | 2019
PERCENTAGE: 77.4

COURSEWORK

Data Structures and Algorithms
Object-Oriented Programming
Operating Systems (Windows/Linux)
Database Management Systems (DBMS)
Computer Networks
Software Engineering

TECHNICAL SKILLS

Programming: Python, Java
Front-end: React.js, HTML, CSS, JavaScript
Back-end: Node.js
Database: MySQL
Cloud: AWS (IaaS)
Core Skills: Web Development, API Integration, RESTful Services, OOP, DSA, SDLC
Development Tools: Git/GitHub, VS Code, IntelliJ IDEA, Jupyter Notebook, Microsoft Office Suite

ACHIEVEMENTS

National Level Hackathon Award (2025): Achieved **1st place** at the *TechXcelerate Hackathon*, organized by Birla Institute of Technology, with 3000+ participants.

University Hackathon Award (2024): Secured **1st place** in a hackathon during *Techno Summit 2024*, hosted by Sathyabama Institute of Science and Technology.

SUMMARY

Entry-Level Software Developer with hands-on experience in full-stack web development and cloud deployment. Passionate about building secure, scalable applications, and responsive user interfaces. Proven track record in competitive development with 10+ hackathon participation, including national and university-level wins. Interested in contributing to innovative teams that value continuous learning and modern technologies.

EXPERIENCE

BENX SOLUTIONS | SOFTWARE INTERN

June 2024 – Current | Chennai, TN (Hybrid)

Built scalable web applications using the MERN stack and Redux with PostgreSQL integration. Developed a RESTful API, applied OOP principles, and used Git for version control in Agile development. Contributed to multiple client projects.

ICAR-NBAIR | PROJECT INTERN

Oct 2024 – Jan 2025 | Bangalore, KA (Remote)

Worked under Dr. M. Pratheepa on a government-funded smart agriculture project. Assisted in integrating IoT sensors for pest prediction, environmental data analysis, and real-time monitoring.

PROJECTS

WEATHER FORECASTING APP – SATHYABAMA UNIVERSITY

Freelance Project | Technical Contribution | Ongoing

- Freelance project developing a scalable MERN stack application with a responsive React frontend and routing. Integrated real-time weather data from the Meteorological Department FTP server via APIs and tested with Postman.
- Enhanced user experience with interactive data visualization using React visualization libraries.

SMART FARMING APPLICATION

Team Project | Jan 2025–March 2025 | **1st PRIZE**, National Hackathon (BITS, 2025)

- Developed a MERN stack application to support farmers with AI-based pest identification using a Convolution Neural Network (CNN) for image classification.
- Implemented a RESTful API, user authentication, and a responsive interface to ensure efficient performance and usability.

WORK MANAGEMENT APP – SATHYABAMA UNIVERSITY

Team Project | Jan 2025 - April 2025 | Technical Contribution

- Built a scalable MERN stack app using React, Express.js, and MySQL for task and ticket management. Applied OOP concepts and algorithms like Binary Search for task lookup, Hashing for user-role mapping, and Queue for ticket handling.
- Integrated bcrypt for secure authentication and ensured responsive UI.

SEARCH ENGINE APPLICATION USING JAVA

Personal Project | Jan 2024

- Developed an image search engine using Java and MySQL with object detection and matching algorithms. Optimized performance by 20 percentage and built a responsive user interface following full stack best practices.