



AJITH KUMAR

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Summary

I am **Ajith Kumar**, a final year **B.Tech IT** student with a strong interest in **Full Stack Development** using the **MERN stack**. I have gained practical experience through academic projects and internships, developing scalable and responsive web applications. Proficient in **Java**, **SQL**, and modern web technologies, I aim to apply my skills to real-world projects and grow as a software professional.

Education

Sathyabama University, Chennai, Tamil Nadu Aug 2022 – Present
B.Tech in Information Technology
• CGPA: 6.8/10.0

St. Mary's School, Senior Secondary Education Graduated: May 2022

Experience

Full Stack Developer Intern – Ventu Renewables Private Limited Jun 2025 – Aug 2025
• Developed and maintained MERN stack applications to support GPS-based project workflows and data management.
• Built responsive React.js interfaces and integrated RESTful APIs, ensuring seamless communication between frontend and backend.
• Improved backend efficiency using Node.js and Express.js, enhancing overall system performance.

Full Stack Developer, University Seed Funding Project – Sathyabama University Jan 2024 – Apr 2024
• Engineered a MERN stack platform to manage CBCS subjects for 1,000+ students using JWT and REST APIs.
• Achieved 99.9% uptime and reduced manual processing by 65% via automation and real-time updates.
• Demo: sathyabama-cbcs.vercel.app | GitHub: github.com/ajithkumar200513/sathyabama-cbcs

Skills

Programming: C, C++, Java, JavaScript, HTML, CSS, SQL

Frameworks & Libraries: React, Spring Boot, Node.js, Express.js, Tailwind, Bootstrap, REST APIs, MongoDB

Tools & Platforms: Firebase, Postman, Eclipse, IntelliJ, VS Code, Power BI

Research & Publications

Conference Paper: "Global Vulnerability Database Research: Cross-Reference and Analysis Framework Report," accepted at the *4th International Conference on Innovative Mechanisms for Industry Applications (ICIMIA-2025)*, IEEE.

Successfully presented at the **ICIMIA 2025**, organized by **Sasurie College of Engineering, Tirupur, India** during **3–5 September 2025**. Recognized for contributing to the practical application of vulnerability research in industry contexts.

Projects

Smart Online Voting System

Mar 2025 – Apr 2025

- Designed a secure voting system with 98.7% face recognition accuracy using Python, OpenCV, KNN.
- Integrated charts with Matplotlib and Seaborn; updated live stats every 60 seconds.
- GitHub: github.com/ajithkumar200513/Face-Recognition-voting-System

Jarvis Desktop Voice Assistant

Jun 2023 – Jul 2023

- Programmed a Python voice assistant automating 10+ tasks using pyttsx3, SpeechRecognition, and pyautogui.
- Executed API and GUI tasks like WhatsApp messaging and email checks with 95% command success rate.
- GitHub: github.com/ajithkumar200513/Project-Jarvis

Achievements

- **In-House Project:** Awarded for work on a university project impacting 1,000+ students (2024).
- **Industry Recognition:** Selected by Securin as one of the top 10 from over 500 for a cybersecurity solution.
- **Smart India Hackathon:** Participated in Smart India Hackathon 2024, selected among 20,000+ entries.

Courses & Certifications

- Data Visualization with R – IBM
- Machine Learning – Dimensionality Reduction – IBM
- Oracle Cloud Infrastructure 2024 Certified Foundations Associate – Oracle
- MongoDB Basics – ICT Academy Learnathon
- MATLAB Object-Oriented Programming Onramp – MathWorks