

Aayam Bajaj

✉ aayambajaj4@gmail.com ☎ 9516644441 🌐 GitHub 🔗 Portfolio 🌐 LinkedIn 📍 Indore, Navi Mumbai

I'm an IT undergraduate passionate about solving complex problems and building impactful tech solutions. I've led projects in edge computing, real-time crowd analysis, web automation, and inventory systems. I thrive in collaborative environments and continuously learn new technologies to stay ahead in the evolving IT landscape.

WORK EXPERIENCE

Java Development Internship — ShadowFox: June-2025 | **Web Development Internship** — RWS: July-2024 |
Orientation: Cyber Crime Investigation Prosecution Forensics and Cyber Security — State Cyber Police, Indore: June-2024 |
Training and Internship in Cybersecurity — AcmeGrade: Oct-2023

EDUCATION

Bachelor of Engineering in Information Technology, 2022 – 2026 | Navi Mumbai
Bharati Vidyapeeth College of Engineering, Navi Mumbai
CGPA: 8.33

XII (ISC), Laurels School International, Indore 2021 – 2022 | Indore
Percentage: 93%

X (ICSE), Laurels School International, Indore 2019 – 2020 | Indore
Percentage: 94%

PROJECTS

Crowd Analysis using Edge Computing, GitHub 🔗

- Designed a real-time crowd analysis system using TensorFlow Lite on **Raspberry Pi** with YOLOv8 server-side validation.
- Built a Tkinter-based GUI and **Flask** dashboard, achieving <500ms latency for real-time crowd detection and monitoring.

Inventory Management System 🔗

- Developed a desktop application for efficient inventory management using Java Swing and MySQL.
- Implemented CRUD operations, real-time stock updates, and a modern dashboard supporting modules for products, sales, suppliers, customers, employees, and reporting.

Web Platform for Villa Discovery and Booking (Team Project)

- Developed a full-stack web app using **Node.js, Express, MongoDB, EJS,** and **Cloudinary** for villa listing and booking.
- Integrated MapTiler API for location-based villa search and built secure user authentication with **Passport.js** and **JWT**.

SKILLS

Programming Languages (Java, Python) | **Web Development** (HTML, CSS, Angularjs) | **Databases** (MySQL, MongoDB) |
Versioning (Git, Github) | **Hardware** (Raspberry Pi) | **Soft Skills** (Public-Speaking, Organization, Adaptability)

ACHIEVEMENTS

Joint General Secretary in Student Council | Winner of College-level Technical Quiz |
Department and College-level events- Anchoring and Orations. | Team Leader in Smart India Hackathon

CERTIFICATIONS

Data Analytics with Python, NPTEL 🔗 01/2025 – 04/2025

Data Structures and Algorithms using Java, NPTEL 🔗 07/2023 – 10/2023