# Aayam Bajaj

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## OBJECTIVE

IT undergraduate persistently making efforts to imbibe skills and using the passion for problem solving to contribute to the IT sector. Looking for an internship opportunity to gain industry experience and improve my skills in the field of Information Technology.

## EDUCATION

**Bachelor of Engineering in Information Technology,** Bharati Vidyapeeth College of Engineering, Navi Mumbai
2022 – 2026 | 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%**

## 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

## 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.

**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.**

**Automation of Information Retrieval of Disasters using Python (Team Project)**
- Built a Python-based web app using **Tkinter**, integrating **NewsAPI** for real-time disaster news automation.
- Automated disaster info retrieval, categorized alerts, and displayed emergency contacts and safety guidelines.

## SKILLS

**Programming Languages**
Java, Python

**Web Development**
HTML, CSS, JavaScript, Nodejs, Angularjs

**Databases**
PostgreSQL, MongoDb

**Soft Skills**
Public-Speaking, Organization, Adaptability

## WORK EXPERIENCE

**Internship in Web Development**
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

## CERTIFICATIONS

**Data Structures and Algorithms using Java** ⤢
NPTEL: Jul-Oct, 2023

**Data Analytics with Python** ⤢
NPTEL: Jan-Apr, 2023