

AYUSH SHARMA

+91-8770791321 | ayush.sharma.23033@iitgoa.ac.in | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Indian Institute of Technology, Goa

Bachelor of Technology in Mathematics and Computing

Goa, India

2023 – 2027

EXPERIENCE

Software Development Intern

May 2025 – Present

IIT Goa (under Prof. Rahul CS)

Goa, India

- Developed and integrated RESTful APIs using Express.js and MongoDB to connect frontend pages with backend services for consultation, referral, and evaluation modules
- Debugged and refactored backend logic across multiple modules including form submission, student record update, and admin approval flow
- Collaborated with development team to extend system capabilities and ensure seamless frontend-backend integration

PROJECTS

Alumni Management System | React, Node.js, Express, MongoDB, JWT | [GitHub](#) | [Demo](#)

Mar 2025 – Apr 2025

- Developed end-to-end MERN stack portal managing student profiles, alumni data, and placement statistics with seamless frontend-backend integration
- Implemented secure JWT authentication with role-based access control for students and administrators
- Built dynamic dashboards with multi-level filtering (CGPA range, branch, batch, placement packages) improving data accessibility
- Created profile update workflows with admin approval and feedback system ensuring data integrity

Fraud Detection System | Flask, Google Gemini AI, BeautifulSoup, Python | [GitHub](#) | [Demo](#)

Oct 2024

- Built AI-powered web application to detect fraudulent websites for Goa Police Hackathon (Team Project)
- Implemented multi-layered analysis including SSL validation, domain age checks, registrar verification, and phishing pattern recognition
- Integrated Google Gemini AI to generate dynamic fraud scores (0-100) based on URL, content, and metadata analysis

Secure Interview System | C++, Windows API, System Programming |

May 2025 – Present

- Building secure full-screen interview platform to prevent cheating during remote coding assessments
- Implemented kiosk-mode interface with window lock, global shortcut blocking, and real-time process monitoring
- Developing API request filtering and screen freeze mechanisms to block AI tool access and unauthorized multitasking

TECHNICAL SKILLS

Languages: C++, Python, JavaScript

Web Development: HTML, CSS, React.js, Node.js, Express.js, REST APIs

Databases: MongoDB

Tools & Frameworks: Flask, BeautifulSoup, Git, Linux, Windows API

Coursework: Algorithm Design, Probability & Statistics, Software Tools, Linear Algebra, Data Structures

ACHIEVEMENTS

Goa Police Hackathon 2024: Selected among top 32 teams out of 100+ participants for fraud detection system

Competitive Programming: Achieved LeetCode rating of 1700+ demonstrating strong problem-solving skills

Sports: Selected to represent IIT Goa in Inter-IIT Basketball Championship showcasing teamwork and discipline