AYAN SEN

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LinkedIn: linkedin.com/in/ayan-sen-1315abc | **GitHub:** github.com/Ayan-1315 | **Portfolio:** ayansen-flame.vercel.app

Professional Summary

Full-Stack & Backend Developer skilled in building scalable web and cloud applications using **Python**, **Node.js**, and **React.js**. Experienced in **API design**, **cloud deployment**, and integrating **AI/ML models** into production. Passionate about **automation**, **DevOps**, and creating reliable, high-performance systems. Seeking roles focused on **full-stack** or **backend development**.

Technical Skills

Languages & Frameworks: Python (Flask, Django), Node.js (Fastify, Express), React.js, JavaScript (ES6+), C/C++, Three.js
Databases: MongoDB, MySQL, Firebase, Redis (Familiar)
Cloud & DevOps: GCP, Azure (Familiar), Docker, CI/CD, Linux, Nginx
AI/ML Tools: TensorFlow, PyTorch, OpenCV, YOLOv8, Pandas, NumPy, Scikit-learn
Tools: Git, GitHub, Postman, Jira, Confluence, Figma
Soft Skills: Problem Solving, Collaboration, Agile Development, Communication

Professional Experience

ML Developer Intern – Jaipur Smart City Ltd | Jul 2024 – Oct 2024
• Built and deployed AI-based surveillance models (**YOLOv8**) for crime and ANPR detection improving accuracy by 25%.
• Integrated models into real-time edge camera systems using **Python** & **Roboflow**, optimized performance and deployment on **Google Cloud** infrastructure.

Backend Developer Intern – Lawazia Tech | Jun 2024 – Jul 2024
• Designed backend architecture with **Node.js (Fastify)** and **MongoDB** for an e-commerce platform, created secure **REST APIs** and authentication logic, reducing response time by 30%.
• Implemented **CI/CD** pipelines and containerized deployments with **Docker.**

Key Projects

Snuger (Real-Time Social Media App)
Node.js | Fastify | MongoDB | Socket.io | GCP
• Engineered scalable APIs with microservice architecture, live chat, and media sharing for 1,000+ concurrent users.
• Integrated authentication, group chats, and cloud-based media storage.

3D Website (Developer Portfolio)
React Three Fiber | Three.js | Django | Vercel
• Utilized **Three.js** to create a particle-themed, visually dynamic webpage inspired by real-time 3D rendering concepts.

Education

B.Tech – Computer Science & Engineering - Dumka Engineering College | Expected Jul 2025 | CGPA 7.0/10
Higher Secondary (12th) - **Science Stream** | Nabadwip Hindu School | WBCHSE | 2021 | 85%
Secondary (10th) - Nabadwip Hindu School | WBBSE | 2019 | 78%

Achievements & Certifications

• **Finalist** - Rajasthan Police Hackathon 2024 - AI for Public Safety
• **Google IT Automation with Python** - Coursera
• **TensorFlow Developer Certificate** (In Progress)