

AYUSH JAIN

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🌐 [Linkedin](#)

🐙 [Github](#)

📁 [Portfolio](#)

EDUCATION

Indian Institute of Technology, Guwahati

B.Tech - Electronics and Electrical Engineering - CGPA - 7.67

2021 – 2025

Guwahati, Assam

EXPERIENCE

Software Engineering Internship | Samsung Bangalore ↗

May 2024 - Jun. 2024

Offered a pre-placement offer for Internship performance

Hybrid, Bangalore

- Designed and Implemented an **Android Application** that monitors and tracks object movements.
- Implemented and optimised code to draw **Controllers** with orientation and movement in a 3D world, using various **Filter algorithms** to enhance performance and accuracy.
- Resolved major Drift issues and achieved **90% accuracy** in orientation detection and tracking, leading improvements in system stability and Precision.
- Applied **Simultaneous Localization and Mapping** algorithms to accurately track position in 3D frame.

Alphaherd- A NextGen Saas Platform for veterinary clinics ↗

Jan 2025 - March 2025

Full Stack Developer Intern

Remote

- Developed RESTful APIs using **Next.js**, **Node.js**, and **SQL**, focusing on efficient query optimization, error handling, and secure data operations.
- Optimized loading time by analyzing the website's loading structure using **Sentry.io**, along with server-side caching, React hooks, promises, lazy loading, and minimizing re-renders.
- Integrated **Email** and **WhatsApp** messaging for client communication with automated re minders.

ACHIEVEMENTS

- Meesho DICE 2024, **Top 3 National Finalists** in Software Development Domain among **100k+** teams.
- Flipkart Grid 6.0, Placed among the **1%** top-performing teams among **400k+** teams.
- IIT Kharagpur Data Science Hackathon, **Top 5 finalists** among all IIT's.
- Cleared **Samsung SWC** Advanced Coding Test July 2024.
- Sparkplug 2024 (Walmart Coding Test), Ranked in **top 50** among **14000+** shortlisted candidates.
- **Specialist** on Codeforces, **Knight** in Leetcode, Solved 800+ problems. Handles - Codeforces and LeetCode.
- **Branch Change**, Among top 5 students in Chemical Eng. who got promoted to EEE Department.
- IIT-JEE, Secured **AIR 4364** (99.60 percentile) in JEE Mains 2021 and **AIR 5454** in JEE Advanced 2021.

PROJECTS

DeployX ↗ | Node.js, Docker, AWS ECR, AWS ECS, Redis, Scalable Application.

Jan. 2025

- Built a secure and scalable deployment platform using **Docker containers**, **AWS ECS** and **ECR**, ensuring isolated environments, seamless scaling, and efficient resource utilization for multiple applications.
- Developed a high-performance **Reverse proxy** using **Express.js** and **S3**, routing traffic based on subdomains.
- Implemented a Real-time **Logging system** with **Redis Pub/Sub**, enabling instant monitoring of deployments and efficient debugging.

DealScout ↗ | Next.js, Tailwind CSS, MongoDB, Nodemailer.

Jun. 2024

- Built a dynamic price comparison web app using **Next.js 14** for server-side rendering and SEO optimisation.
- Integrated **Bright Data API** for efficient web scraping, to enable **real-time product** price tracking.
- Utilised **MongoDB** for efficient handling of diverse product details | Integrated **Nodemailer** and **CRON** jobs to automate and schedule timely email alerts, ensuring users are notified when product prices drop.

TECHNICAL SKILLS & COURSES

Programming: C/C++, JavaScript, Python, Typescript.

Clouds and Databases: AWS(ECR,S3,EC2), MySQL, MongoDB,

TechStacks: ReactJS, Tailwind CSS, Node.js, Next.js, Express, MongoDB, PostgreSQL.

Educative Courses: Database Management System, OOPS, Operating System, System Design.

Misc: Machine Learning, Blockchain, Probability, Data Structure & Algorithms.

POR's & EXTRACURRICULAR

- **Web Developer**, Student's Web Committee, IIT Guwahati.
- **Hospitality Head**, Alcheringa, IIT Guwahati.
- **Alcheringa'23 & Techniche'22** worked as a fest event's executive, helping with event conception, planning, and implementation.