Ayush Jain

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B.Tech - Electronics and Electrical Engineering
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Guwahati	8.07 (Current)	2021-Present
Senior Secondary	CBSE	95.0%	2020
Secondary	CBSE	94.4%	2018

EXPERIENCE

- **Software Engineering Intern | Samsung Bangalore** *May 2024 - July 2024*
  Offered a pre-placement offer for Internship performance Bangalore, Hybrid
  – Designed and implemented an **Android application** in Kotlin 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.

ACHIEVEMENTS

- **Meesho DICE**,Top 3 National Finalists among 100k+ teams. *2024*
- **Flipkart Grid 6.0**,Placed among the 1% top-performing teams. *2024*
- **IIT Kharagpur Data Science Hackathon**, Among Top 5 finalists in the Data Science Hackathon. *2024*
- **Cleared Samsung SWC Advanced Test**,July 2024 *2024*
- **Sparkplug 2024**, Ranked in top 200 among 14000+ candidates. *2024*
- **Specialist on Codeforces, Knight in Leetcode**, Solved 800+ problems. Handles - Codeforces and LeetCode. *2024*
- **Branch Change**, Among top 5 students in Chemical Eng. who got promoted to EEE Department. *2022*
- **IIT-JEE**, Secured AIR 4364 (99.60 percentile) in JEE Mains 2021 and AIR 5454 in JEE Advanced 2021. *2021*

PROJECTS

- **Coolab** *Feb-2024*
  Group Project, Technical Fest IITG-24 Github
  – A business and collaboration focused **Webapp** to help students showcase their projects, collaborate with others.
  – Used **Azure Authentication** and developed **APIs** to enable user to set up their profile with multi-media support.
  – Used **Firebase** to store data of users, their projects and courses **Express.js** was used to handle requests, routes.
  – Developed **APIs** to enable user post their project, get collaboration requests and added filter feature to projects.
- **DealScout** *Jun. 2024*
  Personal Project Github
  – 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.
- **ShopAI: Conversational Outfit Recommender** *Aug. 2023*
  Flipkart Grid 5.0 Github
  – Implemented a solution to recommend fashion outfits from Flipkart based on latest trends, instructions, budget, cart history
  – Fine tuned **ChatGPT-3.5-turbo API's** prompt for conversation & recommendations, developed backend APIs using **FastAPI**.
  – Web interface developed using **React.js** and integrated **Whatsapp bot** using **Twilio's** Messaging API for solution expansion.
- **Notification-Based Appointment Reminder System** *Aug. 2024*
  Coding Club, IIT Guwahati Github
  – Built an appointment management system with **Next.js**, **TypeScript** and **Prisma**, enabling patient booking and scheduling.
  – Integrated **Redis** and **BullMQ** to automate email reminders, ensuring timely notifications and enhancing patient engagement.
  – Implemented **User Registration** and **JWT authentication** for doctors and patients, including scheduling & confirmations.

TECHNICAL SKILLS & COURSES

- **Programming**: C/C++, Javascript*, Python, Typescript.
- **Misc**:Machine Learning, Blockchain, Probability, DSA.
- **Clouds and Databases**: AWS (ECR, EC2, S3), MySQL.
- **Educative Courses**:DBMS, OOPS, OS, System Design.
- **TechStacks**:ReactJS, Tailwind CSS, Node.js, Next.js, Express, MongoDB, PostreSQL.

POSITIONS OF RESPONSIBILITY

- **Hospitality Head**, Alcheringa, IIT Guwahati *May 2023 - March 2024*
  – Led a **3 Tier** team of **60+ students** managing logistics, schedules, and accommodation for **200+ global artists** over 4 days, coordinating with **15+ venue teams** and optimizing **financial planning**.

EXTRA-CURRICULARS

- **Alcheringa'23** worked as a fest event's executive, helping with event conception, planning, and implementation.
- **Techniche'22** worked as an organiser in the robotics module, managing to plan and carry out the competitions.