




# Arbaj Ansari

Software Developer

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## Education

**Indian Institute of Technology Roorkee**

*Bachelor of Technology*

Aug 2021 - May 2025

Roorkee, Uttarakhand

## Experience

**Basys AI**

*Full Stack Engineer*

Nov 2024 - Dec 2024

*Internship (Remote)*

- Developed a Chatbot using GPT Playground with Flask for the backend and Next.js with TypeScript for the frontend, facilitating seamless communication, enabling effective user interactions, and improving development efficiency.
- Contributed to the Prior Authorization Workflow by automating the process using Tesseract OCR to extract details from patient reports and insurance policies, enabling faster decision-making and reducing manual effort.
- Collaborated with cross-functional teams to deliver high-quality solutions within tight deadlines, boosting workflow productivity by 30% and ensuring consistent alignment with project goals and timelines.

**StyleSync**

*Full Stack Developer*

May 2024 - Nov 2024

*Internship (Remote)*

- Developed a video object detection pipeline using the SAM2 model to identify and extract objects from video frames, leveraging advanced machine learning techniques for real-time processing.
- Integrated the Google Lens API via SerpApi to find visually similar objects and retrieve detailed information, enhancing the user experience by displaying relevant object details directly in the video like Instagram Reels.
- Built and maintained a robust backend using Node.js (TypeScript) and Express, creating scalable RESTful APIs to handle video processing and object detection, ensuring real-time data flow and responsiveness.
- Set up a CI/CD pipeline to automate testing, deployment, and monitoring, streamlining development processes and reducing manual intervention, leading to a 20% faster release cycle.

## Projects

**Yacht Rental Booking Platform**

Jan 2025 - Feb-

- Developed a scalable backend using Node.js, Express, and PostgreSQL, enabling real-time yacht booking, dynamic pricing, and multi-currency payments via Razorpay, while integrating Cloudinary for image storage.
- Implemented Google Calendar sync, WhatsApp/email automation for notifications and support, and APIs for third-party OTA/GDS integrations, providing real-time yacht availability, pricing data, and commission tracking.
- Designed admin and super agent dashboards for managing bookings, earnings, user accounts, and marketing tools, with analytics and financial tracking to optimize operations.

**Medflow**

Nov 2023 - Dec 2023

- Developed Medflow, a full-stack medicine e-commerce website using the MERN stack (MongoDB, Express.js, React.js, Node.js), enabling users to browse, search, and purchase medicines online with an intuitive interface.
- Implemented secure user authentication with multiple roles, including "CEO," "Store Manager," and "User," allowing role-based access control for managing products, orders, and user accounts.
- Integrated Razorpay API for secure payment processing, designed a dynamic admin dashboard for inventory and order management, and optimized the user experience using React.js and TailwindCSS.

## Technical Skills

**Languages:** C++, TypeScript, Javascript, Python

**Frameworks and Libraries:** Next.js, React.js, React Native, Redux, Recoil, Node.js, Express, AWS, Tailwind

**Libraries:** Pandas, NumPy, Matplotlib

## Extracurricular Activities

**Techshila 2024:** Runner Up at Coding Hackathon at IITR

**Code in Place '23:** Summer Student at Stanford University for E-Learning

**Deputy General Secretary:** Metallurgical Engineering Society at IITR