Ayush Anshuman Supakar

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Profile Summary

B.Tech, NIT Rourkela — Full Stack Web & Mobile App Developer — 10+ Live Projects

Work Experience

Software Developer Intern | *Dash Constructions* 　　　　　　　　　　　　**May 2025 - Oct 2025**

- Built and Deployed an **Android app** named DCapp, on **Google PlayStore** that lets the users book Construction, Repair and Home renovation services. Features: Authentication, Search Bar, Categorical Browsing, Slot Booking, Past Bookings Page ***(Live: Click Here)***
- Built the **Admin Panel** that updates the admins regarding current and past Bookings made on DCapp. ***(Click Here)***
- Built the **Official Website** of Dash Constructions and improved SEO Score by **14%**. ***(Live: Click Here)***
- Tech Stack: React Native, GraphQL, OAuth, HTML,CSS, Javascript, EAS.

Projects

RockRate Pro: Geotechnical Analysis Suite (Live : Click) | *Next.js, Geomechanics* 　**Dec 2025 - Jan 2026**

- Developed a reactive web app for underground rock mass classification that calculates RMR (Bieniawski '89), Q-System, and GSI, & engineered a support design algorithm that dynamically recommends support systems based on inputs.
- Built a real-time visualization dashboard using Next.js 14, Zustand, and Recharts to identify critical failure modes
- Next.js, TypeScript, Tailwind CSS, Zustand, Recharts.

MyChatApp: Scalable Real-Time Group Chat App (Live : Click Here) | *WebSocket, Kafka* 　**Nov 2024**

- Built a real time group chat app with Google authentication and custom room passcodes using Nextjs, socket.io.
- Backend & Architecture: Engineered a scalable, real-time microservice using Node.js, Docker, and PostgreSQL (via Prisma ORM), utilizing Kafka and Redis streams for event-driven message brokering. Built automated CI/CD pipelines using GitHub Actions and AWS SAM, provisioning scalable serverless IaC infrastructure via AWS CloudFormation.
- Tech Stack: Socket.io, Kafka, Redis, Docker, PostgreSQL, Prisma, Zod, TypeScript, Tailwind, NextJs, Vercel, AWS

EMS: a REST API (Repo: Click Here) | *SpringBoot, PostGreSQL, Docker* 　　　　　　**Oct 2024**

- Built a **REST API** with **Spring Boot**, PostgreSQL and Hibernate that does CRUD Operations on Database to maintain Employee data. Application was containerized using Docker.

EComMARS: A Multi-Vendor E-Marketplace | *MERN, NextAuth, AWS* 　　　**May 2024 -June 2024**

- Architected the **client and server sides** of this multi-vendor online marketplace along with the Seller/Admin Side.
- **End-User Side (Click)**　●FEATURES : Google authentication, Search Bar, **P**roducts and Category Pages, Dynamically changing Featured Products, REVIEWS and Ratings, Cart, Checkout and Orders History.
- **Admin Side (Repo: Click)**　●FEATURES: Admin can add, edit, or delete products/categories and manage orders.
- Tech Stack Used: NextJS, NextAuth, Tailwind, AWS, MongoDB, Google OAuth, Axios and Vercel

Technical Skills

Programming Languages:　Java, JavaScript, HTML, CSS, SQL

Libraries, Frameworks & Runtime Environments :　React, Node.js, Express.js, Next.js, socket.io, Prisma, Tailwind, Maven, Kafka, Google OAuth, JWT, TypeScript, Spring Boot, Hibernate, EJS, Angular

Database Systems & Cloud Services:　MongoDB (NoSQL), PostgreSQL(RDBMS), Redis, AWS, Vercel

App Development:　React Native, GraphQL, OAuth, Expo, Hygraph(CMS), Reanimated, Lottie, Gesture Handler, MapBox, React Navigation, Flipper, Realm, Crashlytics, Google Play Console, EAS, Google Play Store Deployment

Other Technologies:　Linux, Git, GitHub, Docker, GitHub Actions

Education

NIT, Rourkela	**June 2023**
Bachelor of Technology in Mining Engineering	*Graduation*

Achievements

Gate 2023 : All India Rank : 487	**Qualified (Click Here)**
Competitive Programming : LeetCode	**Rating 1454 (Click Here)**

Certifications and Courses for Career pivot

Systems Design by Michael Progrebinsky (Click Here)	**Dec 2025**
Full Stack Java and Spring Boot Developer - by Chaand Sheikh (Click Here)	**July 2024**
Complete Web Development BootCamp by Angela Yu (Click Here)	**Feb 2024**
Data Structures, Algorithms, Operating Systems, Computer Networks - Placement100	**Aug 2023**