Ayush Anshuman Supakar

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Education

NIT, Rourkela	**July. 2018 – June 2023**
Bachelor of Technology in Mining Engineering	*Graduation*

Technical Skills

Languages: Java, JavaScript, C (basic), HTML, CSS, SQL, YAML
Developer Tools: VS Code, Eclipse, Google Cloud Platform, IntelliJ Idea, Git
Technologies/Frameworks: MongoDB (NoSQL), React, Express, NodeJs, NextJs, AWS: Elastic Beanstalk, S3, EC2, VPC, Route 53, ACM, CloudWatch, socket.io, SpringBoot, PostgreSQL(RDBMS), Hibernate, Prisma, Linux, GitHub, Docker, Redis, Tailwind, Java Swing, Chat GPT, Dall-E (AI tools), Axios, Maven, NPM, TomCat, Blender, Vercel, Hostinger, Kafka, Redis, Google OAuth, NextAuth, JWT, JSP, Servlet, JPA, GoDaddy, SASS, Zod, TypeScript, Canva.

Projects

MyChatApp: Real-Time Scalable Group chat App(Click Here) | *WebSocket, Kafka, NextJs* **Nov 2024**
- Built a real time group chat application with authentication and custom room pass-codes. Made it highly scalable to seamlessly serve 10000+ users across multiple servers simultaneously, with Kafka and stream adapters.
- Built a custom nodeJs server. Deployed it using AWS Elastic BeanStalk with a load-balanced EC2 environment for auto-scaling. Purchased the domain from GoDaddy, hosted it on AWS Route 53 with SSL certificate from AWS ACM.
- Tech Stack: Socket.io, Kafka, Redis, Docker, PostgreSQL, Prisma, Zod, TypeScript, Tailwind, NextJs, Vercel, AWS

Employee Management System: a REST API (Click Here) | *Java, SpringBoot, Maven, PostGreSQL* **Nov 2024**
- Developed an Employee Information Management System.
- It is a REST API built using Spring Boot, Maven, Hibernate JPA and Apache TomCat Server that does CRUD (Create, Read, Update and Delete) Operations on a PostgreSQL Database to maintain important data. The entire application was containerized used Docker.

EComMARS: Customer side Of an E-Commerce App (Click Here) | *MERN, NextAuth, AWS* **May 2024**
- Built a complete **Full Stack** E-Commerce Application's Seller/Admin Side.
- FEATURES: Integrated Google authentication (OAuth). A functional search bar. Contains individual product and category pages, with a dynamically changing featured product section. Users can post public REVIEWS and RATE each product. Has the ADD to cart feature, a Checkout Page, and an Orders History Page.
- Tech Stack Used: NextJS, NextAuth, Tailwind, AWS S3, AWS IAM, MongoDB Atlas, Axios and Vercel

EComMARS - Seller/Admin side (Click Here) | *MERN, NextAuth, AWS S3* **June 2024**
- Built complete Client side and Server Side of this E-Commerce Application's customer/User End.
- FEATURES: Seller/Admin can Add, Edit, or delete any Product, or Category and can see Orders Received.
- TechStack: NextJS, NextAuth, Google OAuth, Tailwind, AWS S3, MongoDB.

MeowsicPlayer: a Music Player App (Click Here) | *HTML, CSS, Javascript* **Jan 2024**
- Built a music player web app, that can play pre-installed MP3 songs with a responsive UI for any screen size.
- FEATURES: Added features like Shuffle, Replay, skip, select from playlist, volume control, song posters, and graphics.

SME NIT Rourkela: Official Website (Click Here) | *React, BootStrap, Hostinger* **Jan 2023**
- Built Official Website of Society of Mining, Metallurgy and Exploration (SME), NIT Rkl using ReactJs and Bootstrap.

Achievements

Competitive Programming	**LeetCode**
Current Ranking : 1454	*(click here)*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Operating Systems
- DevOps
- Systems Design
- C Programming
- Computer Networks