Preetham P

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Technical Skills

Languages: JavaScript, TypeScript, C/C++, Python,

Technologies/Frameworks: Nextjs, Reactjs, Redux, Express.js, Node.js, MongoDB, PostgreSQL, Redis, Prisma, Monorepos, Turborepos, Tailwind CSS, Websockets.

Projects

[Link] **Chess Web App** | Tech Stack: React.js, JavaScript, TurboRepo, Next.js, WebSockets(ws), Redis, Prisma, PostgreSQL, BetterAuth, Tailwind CSS, ShadCN UI

Built a full-stack, two-player chess app with real-time gameplay using ws WebSockets. Managed user authentication with BetterAuth, game state with Redis, and persistent storage via PostgreSQL and Prisma. Structured as a monorepo with TurboRepo for scalable frontend-backend management.

[Link] **Anonymous Messaging App** | Tech Stack: Next.js, NextAuth, MongoDB, Mongoose, Resend, Shadcn UI, Tailwind CSS

Created a platform for receiving anonymous messages through unique profile links. Auth handled with NextAuth, and Resend used to notify users of new messages via email. Built a clean, responsive interface with Shadcn UI and Tailwind CSS, with data stored in MongoDB and protected from spam via basic rate-limiting.

[Link] **Library Management System** |Tech Stack: React.js, Node.js, Express.js, MongoDB, Mongoose, JWT, Tailwind CSS

Built a full-stack system for managing books, users, and borrow records. Implemented features like search, filter, issue/return tracking, and role-based access control for admins. Used JWT for authentication and protected routes, with a clean UI built using React and Tailwind CSS.

[Link] **Backend for YouTube / Social Media App** | Tech Stack: Node.js, Express.js, MongoDB, Mongoose, JWT, Multer, Cloudinary

Developed a scalable backend with RESTful APIs for video uploads, comments, likes, user profiles, and playlists. Integrated JWT-based authentication with refresh tokens, handled media uploads with Multer, and stored them using Cloudinary. Used aggregation pipelines to fetch detailed data like channel info, views, and subscriber count.

Education

JSS Academy of Technical Education	Bengaluru, Karnataka
Bachelor of Engineering, Electronics and Communication (3rd year)	2022 - Present
CGPA: 8.34 (Till 5th sem)	
RNS Pre University College	Bengaluru, Karnataka
PCMB	2022
Percentage: 88.17% (PCM: 92.6%)	
Gnana Bodhini High School	Bengaluru, Karnataka
Percentage: 93.12%	2020

Achievements and Extracurricular

Been the top chess player in both school and college, with participation in multiple district and state-level tournaments. Ranked among the top 10 in VTU trials.
Served as the captain of the college chess team for the past three years, leading the team to finish in the top 10 twice.
Actively involved in other sports, including table tennis, kabaddi, throwball, and cricket.
Also participated in various college-level hackathons, showcasing technical and teamwork skills.

Personal Traits

Collaborate effectively on development teams, write and communicate clearly, and consistently build new technical skills to support project outcomes.