

GAUTAM RAJ

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SKILLS

Programming Languages	Java, Javascript
Web Development	HTML,CSS, ReactJs, Typescript, Jest, Vitest, React Testing Library
Backend Development	NodeJs, ExpressJs, RESTful API, Prisma, Mongoose, Zod
Version Control	Git, Github
Database	MongoDB, PostgreSQL
Others	Docker, Data Structures and Algorithms, Object Oriented Programming
Operating Systems	Windows and Linux
Cloud Services	AWS S3, AWS EC2, AWS Lambda, VPS, Digital Ocean

PROJECTS

LEGAL BLOGS A full-stack web application for blogging using the **MERN**(MongoDB, ExpressJs, ReactJs,Typescript, NodeJs) stack. ([Live Preview](#)) ([Github](#))

- Implemented robust **authentication and authorization with JWT**, enhancing security and streamlining user management; integrated **authentication middleware** for secure blog access and implemented **role based authentication**(RBAC)
- Developed seamless **CRUD functionalities** and **advanced search features**, boosting content discovery, used **AWS S3** for secure management of user-uploaded images.
- Designed a streamlined React UI with **Redux Toolkit** for state management, **TypeScript** for robust development, custom hooks, and React Router, improving user retention.

NOTESGEN: A Generative AI Notes App made using (Next Js, Node JS, PostgreSQL, Generative AI). ([Live Preview](#)) ([Github](#))

- Developed a robust notes generation application using Generative AI to **automate note-taking and summarization**. PDF Upload: Seamlessly integrate PDF uploads for automatic note extraction and generation.
- Integrated **Google Authentication** for secure and smooth user login and account management. Implemented a **credit system** that allows users to earn and redeem credits to access premium features.
- Enabled multi-format downloads, allowing users to download notes in various formats such as PDF, DOCX, and TXT.

OPEN SOURCE

([See All Merged PRs](#))

- Added a Sign Out button to the dashboard, integrated **sign-out functionality** in AuthContext, and wrote **test cases**. [PR Link](#)
- Wrote unit tests using **Vitest**, **Jest**, and **React Testing Library** for React Components [PR Link](#)

EDUCATION

Master of Computer Applications, Indira Gandhi National Open University	2023-2025
Bachelor of Computer Applications, Indira Gandhi National Open University	2019 - 2022

EXTRA-CURRICULAR ACTIVITIES

- Regularly write [blog posts](#)