



# Varun Gawali

B.Tech. and M.Tech.(Dual Degree)  
in Chemical Engineering  
Indian Institute Of Technology, Delhi

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Github Link: <https://github.com/VarunGawali>

My Site: <https://www.varungawali.com>

## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Delhi	6.5/10	2022-2027
Senior Secondary	Central Board of Secondary Education	93.4%	2022
Secondary	Central Board of Secondary Education	93.2%	2020

## PROJECTS

- **Developed a comprehensive Finance Tracker SaaS app for effective personal finance management:** *July 2024*
  - Engineered a robust expense and income tracking system with dynamic categorization for detailed financial insights.
  - Leveraged TypeScript and Next.js to build a scalable, maintainable codebase with strong type safety and server-side rendering.
  - Integrated user authentication and authorization using NextAuth.js, ensuring secure access to personal financial data with support for third-party logins such as Google OAuth.
  - Integrated PostgreSQL as the primary database for storing financial data, ensuring scalable and secure data storage with complex relational queries.
  - Implemented Drizzle ORM for efficient and secure database interactions, ensuring data integrity across various operations.
  - Enhanced user experience with real-time data updates and offline access, utilizing React Query for optimized caching and synchronization.
  - Integrated CSV import functionality, allowing users to upload and import multiple transactions at once, streamlining data entry and reducing manual input errors.
  - Visualized financial data using a diverse range of charts, including bar, line, area, radial, pie, and radar graphs for intuitive and comprehensive analysis.
  - Designed a user-friendly dashboard with a mobile-first, responsive layout, providing a seamless experience across devices, including smartphones and tablets.
  - **Github code:** <https://github.com/VarunGawali/Finance-Tracker>
  - **Link:** <https://finance-tracker-mocha.vercel.app>  
(login details:- **Email:** testingidmailoo@gmail.com **Password:** testingmailoo@gmail.com)
- **"RuTAG Project", a responsive web application enabling users to report and track drainage issues,** *Aug 2024*  
**Prof. Subir Kumar Saha**
  - Crafted an intuitive complaint submission interface using React, enhancing user interaction and engagement.
  - Integrated interactive maps using leaflet library for precise location reporting within the complaint form.
  - Implemented authentication using JWT (JSON Web Tokens), ensuring secure access to complaint tracking for users and administrators.
  - Developed a real-time complaint timeline feature, allowing users to track the progress of their reports.
  - Utilized React Query for data caching, ensuring offline functionality and seamless user experience.
  - Created a mobile-first, responsive design suitable for both desktop and mobile users.
  - Developed a robust backend to handle dynamic status updates, maintaining a detailed history of complaint statuses.
  - **Link:** <https://ru-tag-project-g-48.vercel.app>
  - **Github code:** <https://github.com/VarunGawali/RuTAG-Project-G-48>  
(login details:- **Email:** testingidmailoo@gmail.com **Password:** testingmailoo@gmail.com)
- **Developed a comprehensive and dynamic E-Commerce platform comprising an Admin Dashboard and Customer-Facing Website:** *June 2024*
  - Built an intuitive product management **interface** using Next.js, allowing seamless CRUD operations for products, categories, and orders s, with AWS S3 integration for efficient image management.
  - Designed dynamic category assignment features to streamline product categorization.
  - Designed a responsive, mobile-friendly frontend website using Next.js and styled-components, ensuring a smooth shopping experience across devices.
  - Integrated robust authentication and authorization mechanisms, ensuring secure access for admin users.
  - Integrated payment gateway using Razorpay for secure online payments, enabling real-time transactions and a seamless checkout experience for customers.
  - **Link:** <https://e-commerce-front-ten.vercel.app/>
  - **Github code:** <https://github.com/VarunGawali/E-Commerce-admin> , <https://github.com/VarunGawali/E-Commerce-front>

- **Developed a versatile Notes App with advanced organization and user-friendly features:** *June 2024*
  - Implemented dynamic note-taking capabilities using React, enabling efficient creation, editing, and deletion of notes.
  - Designed a responsive interface compatible with both mobile and desktop devices, ensuring a seamless user experience across platforms.
  - Incorporated RESTful API integration for efficient communication between the frontend and backend, supporting robust data management.
  - Implemented secure user authentication with JWT, ensuring data privacy and personalized user experiences.
  - Integrated features such as search functionality and note categorization, allowing users to quickly locate and manage their notes efficiently.
  - Employed React Query for caching and state management, improving app performance and responsiveness.
  - **Github code:** <https://github.com/VarunGawali/Notes-app>
  - **Link:** <https://notes-app-theta-six.vercel.app>  
(login details:- **Email:** testingidmailoo@gmail.com **Password:** testingmailoo@gmail.com)

## **TECHNICAL SKILLS**

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- **Programming Languages:** C++, Python, HTML, CSS, JavaScript, TypeScript
- **Tools & Libraries:** Numpy, Pandas, Figma, GitHub, Excel, React Query, Tailwind CSS, Axios, Vercel, VS Code
- **Backend & Databases:** Express.js, Node.js, SQL, MongoDB, PostgreSQL, drizzle ORM, Neon
- **Frontend Frameworks:** React, Next.js
- **API & Data Handling:** REST APIs, JSON, Axios, JWT
- **Deployment & DevOps:** Ngrok, AWS S3