

# Kunal Kumar

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Computer Science undergraduate with hands-on experience building full-stack web applications. Passionate about software engineering, learning modern web technologies, and developing scalable, real-world solutions.

## SKILLS

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- **Language:** Python, Java, JavaScript
- **Version Control System:** Git, GitHub
- **Frontend:** HTML, CSS, React, Tailwind CSS
- **Backend:** Node.js, Express.js
- **Database:** MongoDB, SQL
- **Concepts:** REST APIs, MVC Architecture, Authentication (JWT), CRUD Operations

## PROJECTS

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### EXPENSE TRACKER – FULL STACK WEB APPLICATION

**Technologies:** React.js, Node.js, Express.js, MongoDB

- Developed a full-stack financial management tool using the **MERN stack**, allowing users to track real-time expenditure.
- Engineered RESTful APIs to enable seamless CRUD operations for adding and updating financial records.
- Optimized frontend performance using React Hooks for efficient state management and dynamic UI updates.
- **Designed** a responsive user interface to organize expense data, ensuring high accessibility across devices.

### FOCUSFLOW- PRODUCTIVITY DASHBOARD WEB APP

**Technologies:** JavaScript (ES6+), HTML5, CSS3, FullCalendar.js

- Built a productivity dashboard combining a **Pomodoro timer**, To-Do list, and event scheduler
- Integrated FullCalendar.js to enable dynamic event creation, categorization, and management.
- Designed a responsive, dark-themed UI using **JavaScript** and CSS3 for an intuitive user experience.
- Implemented dynamic DOM manipulation logic for real-time updates without page reloads.

### API RATE LIMITING GATEWAY

**Technologies:** Node.js, Express.js

- Developed an API Rate Limiting Gateway using Node.js and Express.
- Implemented request limits to control the number of API calls per user.
- Returned appropriate HTTP status codes when the request limit was exceeded.
- Improved API stability by preventing excessive requests.

## CERTIFICATES & ACHIEVEMENT

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- **Full Stack Web Development (GeeksforGeeks):** Earned a comprehensive certification mastering modern frontend and backend web technologies
- Smart India Hackathon (SIH) – Team Lead Participant: Architected a "Student Dropout Record System" web app for the Government of Gujarat to track at-risk student data.
- Tata GenAI Data Analytics Job Simulation - Visualized business insights using Generative AI tools
- Deloitte Technology Job Simulation: Completed practical tasks in software delivery and consulting.

## EDUCATION

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Uttaranchal University | Dehradun *Bachelor of Technology in Computer Science* | CGPA: 7.5 | 2023 – 2027