

# DIVYANSHU RAJ

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## TECHNICAL SKILLS

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**Languages:** JavaScript, Python, Java

**Frontend:** React.js, HTML5, CSS3, Streamlit

**Backend:** Node.js, Express.js

**Databases:** MongoDB

**Frameworks:** MERN Stack, REST API

**DevOps & Tools:** GitHub, Postman, Vercel, Render, VS Code

**Libraries & APIs:** JWT, bcrypt, Axios, React Router, Groq API

## PROJECTS

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### Nexus – Full Stack Social Media Platform

Feb 2025 – Apr 2025

*Full Stack Web Application*

*MERN Stack, JWT, bcrypt, REST API*

- Engineered a scalable MERN-based social platform enabling 30+ users to register, create posts, like, and comment in real-time.
- Developed 20+ RESTful API endpoints using Express.js and Node.js for user profiles, posts, and comment management.
- Integrated secure user authentication using JWT and password encryption with bcrypt, reducing security risks by 90%.
- Designed a responsive UI with React.js using reusable components and React Router for seamless navigation.
- Managed data persistence with MongoDB and Mongoose, supporting dynamic user-post-comment relationships.

### Email Formalizer – AI-Powered Communication Tool

May 2025

*Generative AI Web Application*

*Python, Streamlit, Groq API (LLaMA3 8B)*

- Developed an AI-based email generator that converts informal input into professionally structured emails in real time using LLaMA3 8B via Groq API.
- Designed a responsive and minimal Streamlit interface for instant user interaction and seamless output generation.
- Implemented prompt engineering techniques to ensure context relevance, tone control, and grammatical correctness in outputs.
- Secured API integration using environment variables, reducing credential exposure risks in both development and deployment environments.

### CourseHub – Student Learning & Scheduling Dashboard

June 2025 – Present

*Full Stack Web Application (Ongoing)*

*React, Tailwind CSS, JWT, React-Calendar*

- Built a responsive student dashboard using React and Tailwind CSS with adaptive layout, sidebar navigation, and top bar UI.
- Implemented secure user authentication using JSON Web Tokens (JWT) for login persistence and protected route access.
- Integrated an interactive calendar via react-calendar with session highlighting and filtering by selected date.

## EDUCATION

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### VIT Bhopal University

Bhopal, India

*B. Tech CSE with AI & ML- 8.56 CGPA*

*Expected May 2026*

## EXTRA CURRICULAR

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- **Languages:** English, Hindi
- **Hobbies:** Valorant, Sudoku