

DIVYANSHU RAJ

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TECHNICAL SKILLS

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

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

May 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

VIT Bhopal University

Bhopal, India

B. Tech CSE with AI & ML- 8.57 CGPA

Expected May 2026

EXTRA CURRICULAR

- **Languages Knows:** English, Hindi
- **Hobbies:** E-sports, Sudoku, Tinkering with computer parts