Geetesh Dalal

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EDUCATION

Bennett University, Greater Noida 2023 - 2027
B.Tech in Computer Science and Engineering *8.88 CGPA*

PROJECTS

CampusCareer - AI-Powered Placement Assistance Platform **Source Code**

Next.js, TypeScript, Node.js, Express.js, MongoDB, Docker, Socket.IO, Gemini API

- AI-powered placement and internship assistance platform that helps students discover relevant opportunities and streamline hiring workflows.
- Architected a **Docker-based microservices system** for scalable and independent service management.
- Implemented **TanStack Query** for server-state caching, **Zustand** for global state management, and **React Hook Form** with **Zod** for type-safe form validation.
- Built real-time student communication using **Socket.IO** and integrated **Gemini API** for resume skill extraction and personalized job recommendations.

CampusHive - Campus Social Networking Platform **Source Code**

React, Node.js, Express.js, MongoDB, Socket.IO

- Campus social networking platform enabling students to connect through real-time chat, carpooling, lost & found, project collaboration and car rentals.
- Implemented **JWT Authentication** and **Google OAuth** for seamless user onboarding.
- Built real-time messaging using **Socket.IO** for low-latency communication between users.

GenPalette - AI-Powered Color Palette Generator **Source Code**

Next.js, TypeScript, MongoDB, Gemini API

- AI-powered color palette generator and visualizer that creates cohesive color schemes with live previews and palette management.
- Integrated **Gemini API** to generate context-aware color palettes based on user prompts.
- Implemented authentication using **Auth.js** and centralized application state management with **Redux**.
- Optimized performance through **Dynamic Imports** and reusable custom React hooks to reduce bundle size.

TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, SQL
Backend: Node.js, Express.js, REST APIs
Frontend: HTML, CSS, React, Next.js, Tailwind CSS
Databases: PostgreSQL, MongoDB
DevOps & Tools: Linux, Docker, Git, GitHub, Postman

RELEVANT COURSEWORK

Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems (DBMS), Operating Systems, Computer Networks, Full Stack Development