

SHUBHAM GUPTA

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Education

Vellore Institute of Technology Bhopal

Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Sep. 2022 – Ongoing

CGPA - 8.97

Relevant Coursework

- Data Structures
- Computer Networks
- Database Management
- Operating Systems

Experience

Zyntriq AI Solutions Pvt. Ltd

Mar 2025 – Jun 2025

Frontend Development Intern

- Developed responsive React.js components with Tailwind CSS for AI-powered internal application, enhancing UI performance by 30% and meeting WCAG accessibility standards
- Built modular component library with 15+ reusable UI elements and integrated 20+ RESTful API endpoints to enable real-time data synchronization and reduce code duplication by 40%
- Collaborated with 5-person cross-functional team including UI/UX designers and backend developers to deliver 8 production-ready features within project deadlines

Projects

Musify | Python, Streamlit, Spotipy, NLTK

[GitHub](#)

- Designed a personalized recommendation system using cosine similarity on acoustic features from a 1M+ song dataset
- Achieved 88% match accuracy and 85% genre precision in similarity-based track suggestions
- Integrated Spotify API and Streamlit for interactive UI with album visuals and mood filters via NLP

AI Digest | React.js, Gemini Api, Tailwind CSS, Express.js, MongoDB, NodeMailer

[GitHub](#)

- Built a discovery dashboard to track latest 50+ AI models across GitHub, Hugging Face, and arXiv using public APIs
- Implemented automated refresh pipelines to surface 30+ trending models with metadata and search filters
- Integrated a weekly newsletter delivery system using NodeMailer and dynamic content generation from live data

QuickConnect | React.js, Node.js, Express.js, MongoDB, WebSockets, JWT

[GitHub](#)

- Developed a real-time social feed and messaging system using WebSockets with secure JWT-based sessions
- Built modular APIs for user actions (posts, likes, comments) with dynamic profile management and role handling
- Designed a responsive UI with dark/light mode and instant notifications using Tailwind CSS and DaisyUI

Technical Skills

Languages: C++, Python, JavaScript, HTML/CSS, SQL.

Databases: MySQL, MongoDB

Technologies/Frameworks: ReactJS, Tailwind CSS, Material UI, Bootstrap, Recoil, Redux Toolkit, Context-API, React Router, Node.js, Express.js, Socket.io.

Tools/Devops: Git, GitHub , Docker, Postman

Leadership / Extracurricular

Competitive Programming & Hackathons

2023 – Present

Participant & Contributor

Various Platforms

- Ranked among Top 10 teams in ZS Campus Beats, selected from 2,000+ national entries
- Ranked in the Top 20 contributors in ACWOC, an open-source competition with 500+ participants
- Led a 4-member team to secure 5th position in MERNXAI Hackathon hosted by the MERN Club at VIT Bhopal
- Advanced to Round 3 of Flipkart Grid competition with 20,000+ participants, qualifying through rigorous technical screening rounds