Shubham Gupta

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Education

VIT Bhopal University, B.Tech in Computer Science (with AI and ML)   September 2022 – Ongoing
- **CGPA:** 9.01

Class 12th, Kendriya Vidyalaya No. 2, Visakhapatnam, Andhra Pradesh   July 2021
- Grade – 93.8%

Class 10th, Kendriya Vidyalaya No. 2, Visakhapatnam, Andhra Pradesh   May 2019
- Grade – 84%

Skills

- **TECHNOLOGIES AND TOOLS**
    - **Languages:** C++, Python, JavaScript, HTML, CSS, SQL.
    - **Front-end:** ReactJS, Tailwind CSS, Material UI, Bootstrap, Recoil, Redux Toolkit, Context-API, React Router.
    - **Back-end:** Node.js, Express.js, Postman, Socket.io.
    - **Databases:** MongoDB, Firebase, PostgreSQL.
    - **DevOps & Tools:** Git, GitHub , Docker.

Projects

Musify | Python, Streamlit, Spotipy, NLTK   *github.com*
- 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, Tailwind CSS, Express.js, MongoDB, NodeMailer   *github.com*
- 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.com*
- 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.

Extracurricular Activities

- 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.
- Secured 5th position in MERNXAI Hackathon hosted by the MERN Club at VIT Bhopal University.

Certifications

- Privacy and Security in Online Social Media, NPTEL (IIIT Hyderabad)
- Applied Machine Learning in Python, Coursera
- MERN Stack Developer, SmartBridge
- Devops fundamentals, IBM
- Mongo DB certified Administrator, mongod