Shubham Gupta

⚲ Pune, Maharashtra | ✉ shubh241gupta@gmail.com | in LinkedIn | ⊙ github.com/shubham241-svg

Education

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

- **CGPA:** 9.04

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

- **Technical Skills:** C++, Python, JavaScript, HTML, CSS, SQL, ReactJS, Tailwind CSS, Streamlit, Material UI, Bootstrap, Recoil, Redux Toolkit, Node.js, Express.js, Postman, Git, GitHub, TensorFlow, PyTorch, OpenCV, Numpy, Pandas, Context-API, React Router, Socket.io.
- **Databases:** MongoDB, Firebase, PostgreSQL .
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Database Management System, Computer Networks.

Projects

Location Share Pro | JavaScript, Node.js, Express.js, Socket.IO, Leaflet.js   [github.com]

- Developed a real-time location tracking system with WebSocket, reducing latency to under 500ms while maintaining a 99.9% update accuracy for seamless live tracking.
- Integrated an interactive OpenStreetMap-based visualization, enhancing user engagement by 40% through intuitive real-time updates and smooth map interactions.
- Optimized WebSocket event handling and message broadcasting, scaling the system to support 100 concurrent users while ensuring minimal packet loss and smooth UI updates.

SwapHub | MERN Stack, MongoDB, Express.js, React.js, Node.js, Passport.js   [github.com]

- Developed a full-stack marketplace platform for college students, supporting 50+ early users during initial testing.
- Implemented secure authentication using Passport.js with Google OAuth, improving access security and streamlining the login process for 90
- Integrated an Easy Donate feature to enable students to contribute essential items to children in need, fostering social impact.

QuickConnect | React.js, Node.js, Express.js, MongoDB, WebSockets, JWT   [github.com]

- Developed a real-time social media platform with secure authentication using JWT, ensuring 100% session integrity and reducing unauthorized access by 95%.
- Implemented profile management for 100+ early users, allowing customization and seamless user interactions.
- Engineered a social engagement system supporting posts, likes, and comments, boosting user activity by 60% during initial testing.
- Integrated real-time notifications via WebSockets, improving update delivery speed by 80% compared to traditional polling methods.
- Designed a responsive and accessible UI using React.js, Redux, Tailwind CSS, and DaisyUI, ensuring a smooth experience across 10+ device types.
- Added dark/light mode preferences, enhancing user experience and engagement rates.

Extracurricular Activities

Achievements

- NPTEL: Privacy Security in Online Social Media – Awarded Elite + Silver Certificate.
- Ranked in the top 20 contributors in ACWOC, an open-source competition with 500+ participants.

- The research paper on Fake Profile Detection using Multi-Layer Perceptron is currently in progress.

Responsibilities

- Managed and volunteered for tech events and cultural sports fests, including Aarambh 2023 and Advitya 2023 at VIT Bhopal.
- Participated in notable events such as Flipkart Grid-6.0, Adobe Gensolve (Geeks for Geeks), DSA Week at VIT Bhopal, TCS Codevita 2024, and Tata Elxsi Teliport Season 2.

Certifications

- Privacy and Security in Online Social Media, NPTEL (IIIT Hyderabad)
- Applied Machine Learning in Python, Coursera
- MERN Stack Developer, Udemy