SUSHEN GROVER

📞 +91 7009367016 👤 Portfolio ✉ sushen.grover2023@vitstudent.ac.in in LinkedIn ⭕ GitHub

Education

Vellore Institute of Technology, Chennai   **August 2023 – Present**
B.Tech in Computer Science and Engineering (CGPA: 9.32)

Technical Skills

Languages: C, C++, Java, Python
Web Technologies: HTML, CSS, JavaScript, React, Next.js, Tailwind CSS
Backend: Node.js, Express.js, Flask, REST APIs, Microservices
Databases: MySQL, Google BigQuery
AI & Data: scikit-learn, R, Tableau, Spreadsheets, Generative AI, GPT
Cloud & DevOps: AWS, Linux, Git, GitHub
Tools: VS Code, Figma, Jupyter, Google Colab
Domains: Full-Stack Development, Machine Learning, Generative AI, Cloud Computing

Projects

Healytics ⭕   **September 2025**
- Developed an AI-powered prediction engine using XGBoost to forecast the 90-day deterioration risk for patients.
- Built a clinician-friendly React dashboard to visualize patient risk scores, highlight high-risk cases, and deliver actionable insights for proactive interventions.

IntelliClause (HackRx 6.0 – Bajaj Finserv) ⭕   **August 2025**
- Developed an AI-powered Q&A system to extract precise answers from complex financial policy documents using a RAG pipeline.
- Implemented retrieval using FAISS and response generation using GPT-4o for high-accuracy contract-style outputs.

P2P Vault ⭕   **April 2025**
- Developed a real-time peer-to-peer communication system using WebRTC and Socket.IO for encrypted chat and file transfer.
- Implemented AES-256 encryption to ensure data privacy and secure distributed sharing.

EnergySim Marketplace – Blockchain Energy Trading ⭕   **March 2025**
- Built a decentralized energy trading simulation using Solidity smart contracts for tokenized energy and carbon credit exchange.
- Implemented a full-stack system with React, Flask + Web3.py, and Hardhat for blockchain deployment.

VAAHAN – AWS-Based Vehicle Rental Platform ⭕   **February 2025**
- Implemented authentication, real-time car listings, and booking notifications through an aws-driven architecture.
- Used AWS services: SNS, Lambda, API Gateway, CloudFront, S3, Cognito, and DynamoDB.

Certifications

Generative AI Using IBM Watsonx Certificate 📄   **July 2025**
- Gained proficiency in transformer architecture, prompt engineering, RAG and AI-powered chatbots.
- Developed applications using IBM Watsonx and foundation models like Google FLAN-T5.

Google Data Analytics Professional Certificate 📄   **January 2025**
- Mastered data lifecycle management: cleaning, processing, analyzing, and visualizing data.
- Acquired hands-on skills in SQL, Tableau, R, Google BigQuery and advanced spreadsheet functions for data analysis.

Achievements

Competitive Programming (LeetCode) 🔗
- Solved 400+ coding problems, including 250+ medium and hard-level challenges.
- Achieved a 57% acceptance rate, outperforming 98% of submissions, demonstrating strong problem-solving skills.

BitWars 2.0 Hackathon (Rank 11) 📄   **September 2024**
- Ranked 11th from about 200 teams in South India's premier coding hackathon by IEEE CS VITC.
- Competed solo against team-based challenges, showcasing strong individual coding and problem-solving abilities.

Vegathon – Vega Processor Hackathon (2nd Place) 📄 ⭕   **Octobar 2024**
- Secured the runner-up position in a hardware and machine learning-focused hackathon using VEGA series processors.
- Developed TrackTempML, a live weather monitoring and forecasting system using Arduino and ML models.