SUSHEN GROVER

📞 +91 7009367016　👤 Portfolio　✉ groversushen@gmail.com　in LinkedIn　�08 GitHub

Education

Vellore Institute of Technology, Chennai　　　　　　　　　　　　　　　**August 2023 - Present**
B.Tech in Computer Science and Engineering (CGPA: 9.12)

Experience

BluMotiv　　　　　　　　　　　　　　　　　　　　　　　**Jan 2026 - Present**
Software Development Intern　　　　　　　　　　　　　　　　　　　　*Remote*
- Developing Fleet Management software for Electrified industrial vehicles and benchmarking AI methodologies.
- Integrating AI/ML models with Virtual Twin data to enable predictive controls and data ingestion pipelines.

Vodafone Idea Foundation　　　　　　　　　　　　　　　　　　**Sep 2025 - Oct 2025**
Data Analytics Intern　　　　　　　　　　　　　　　　　　　　　　*Remote*
- Completed AICTE–VOIS internship focused on Conversational Data Analysis using Python (Pandas, NumPy, Seaborn).
- Executed end-to-end analytics on Netflix content (genre trends) and Airbnb bookings (pricing drivers).

Technical Skills

Languages: C, C++, Python, R, SQL, Java
Web Technologies: HTML, CSS, JavaScript, React, Tailwind CSS
Backend: Node.js, Express.js, Flask, FastAPI, REST APIs, Microservices
Databases: MySQL, Oracle SQL, Google BigQuery, AWS DynamoDB
Data Science: Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, Tableau, Spreadsheets
Artificial Intelligence: GPT Models, RAG Pipelines, IBM Watsonx
Cloud & DevOps: AWS, Linux, Git, GitHub
Tools: VS Code, Figma, Jupyter, Google Colab

Projects

Vaahan (AWS) ⌀　　　　　　　　　　　　　　　　　　　　　　**November 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.

EnergySim Marketplace (Blockchain) ⌀　　　　　　　　　　　　　**October 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.

Healytics (Machine Learning) ⌀　　　　　　　　　　　　　　　**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 (RAG) ⌀　　　　　　　　　　　　　　　　　　　**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.

Student Feedback Classifier (GenAI) ⌀　　　　　　　　　　　　　**June 2025**
- Built a zero-shot text classifier using Google FLAN-T5 LLM to categorize student feedback into 10 predefined categories.
- Integrated prompt-engineered evaluation flows using IBM Watsonx.

P2P Vault (Cyber Security) ⌀　　　　　　　　　　　　　　　　**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.

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 450+ problems, including 250+ medium and hard-level problems and complete SQL 50 List.
- Achieved 57% acceptance rate, outperforming 98% of submissions, demonstrating strong problem-solving and analytical skills.

X-Ray Pneumonia Detection Research Paper ⓞ **April 2025**
- Contributed to developing a team-based XAI-driven ensemble model for accurate and interpretable pneumonia diagnosis.
- Compared ML (SVM, RF, VGG-16) and DL (EfficientNet, ResNet) models for pneumonia detection from chest X-rays.

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) 📄 ⓞ **October 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.