

SUSHEN GROVER

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Education

Vellore Institute of Technology, Chennai
B.Tech in Computer Science and Engineering (CGPA: 9.32)

August 2023 – Present

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

VAAHAN – AWS-Based Vehicle Rental Platform

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 Energy Trading

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

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.

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)

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.