

# SUSHEN GROVER

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## Summary

Computer Science and Engineering student at VIT Chennai with proficiency in Python, Java, C, and C++. Skilled in Data Structures and Algorithms, software development, and data analytics using MySQL, R, Tableau, and Spreadsheets. Experienced in building practical projects across AI/ML, peer-to-peer systems, and AWS Cloud applications. Recognized for a calm, focused approach under pressure, strong problem-solving ability, and adaptability to emerging technologies. Seeking opportunities to apply technical expertise and analytical skills to deliver impactful, real-world solutions.

## Education

<b>Vellore Institute of Technology, Chennai</b> <i>B.Tech in Computer Science and Engineering (CGPA: 9.32)</i>	<b>August 2023 – Present</b>
<b>Holy Heart Day Boarding Public School, Fazilka</b> <i>Higher Secondary Education (Percentage: 88%)</i>	<b>July 2021 – April 2023</b>
<b>Sacred Heart Convent School, Fazilka</b> <i>Secondary Education (Percentage: 94%)</i>	<b>July 2020 – April 2021</b>

## Technical Skills

**Programming Languages:** C, C++, Java, Python  
**Front-End Technologies:** HTML, CSS, JavaScript, React  
**Backend Technologies:** JavaScript (Node.js, Express.js), Python (Flask)  
**Data Analytics:** MySQL, Google BigQuery, Tableau, R, Spreadsheets  
**Tools & Platforms:** Git, GitHub, AWS, Linux, VS Code

## Projects

<b>IntelliClause(HackRx 6.0 Hackathon by Bajaj Finserv)</b>	<b>August 2025</b>
<ul style="list-style-type: none"><li>Developed AI-Powered Q&amp;A system for precise, context-aware answers from complex finance policy documents.</li><li>Implemented a Retrieval-Augmented Generation (RAG) pipeline with GPT-4o (LLM) for high-accuracy responses.</li></ul>	
<b>Student Feedback Classifier</b>	<b>June 2025</b>
<ul style="list-style-type: none"><li>Built a zero-shot text classifier for student feedback using the Google FLAN-T5 large language model.</li><li>Utilized IBM Watsonx for model deployment and prompt engineering.</li></ul>	
<b>P2P Vault</b>	<b>April 2025</b>
<ul style="list-style-type: none"><li>Developed a real-time chat and file sharing application with peer-to-peer communication using WebRTC and Socket.IO.</li><li>Implemented AES-256 encryption to ensure privacy and security of all shared files during transfer.</li></ul>	

## Certifications

<b>Generative AI Using IBM Watsonx Certificate</b>	<b>July 2025</b>
<ul style="list-style-type: none"><li>Gained proficiency in transformer architecture, prompt engineering, RAG and AI-powered chatbots.</li><li>Developed applications using IBM Watsonx and foundation models like Google FLAN-T5.</li></ul>	
<b>Google Data Analytics Professional Certificate</b>	<b>January 2025</b>
<ul style="list-style-type: none"><li>Mastered data lifecycle management: cleaning, processing, analyzing, and visualizing data.</li><li>Acquired hands-on skills in SQL, Tableau, R, Google BigQuery and advanced spreadsheet functions for data analysis.</li></ul>	

## Achievements

<b>Competitive Programming (LeetCode)</b>	
<ul style="list-style-type: none"><li>Solved 400+ coding problems, including 250+ medium and hard-level challenges.</li><li>Achieved a 57% acceptance rate, outperforming 98% of submissions, demonstrating strong problem-solving skills.</li></ul>	
<b>X-Ray Pneumonia Detection Research Paper</b>	<b>April 2025</b>
<ul style="list-style-type: none"><li>Contributed to developing a team-based XAI-driven ensemble model for accurate and interpretable pneumonia diagnosis.</li><li>Compared ML (SVM, RF, VGG-16) and DL (EfficientNet, ResNet) models for pneumonia detection from chest X-rays.</li></ul>	
<b>BitWars 2.0 Hackathon (Rank 11)</b>	<b>September 2024</b>
<ul style="list-style-type: none"><li>Ranked 11th from about 200 teams in South India's premier coding hackathon by IEEE CS VITC.</li><li>Competed solo against team-based challenges, showcasing strong individual coding and problem-solving abilities.</li></ul>	
<b>Vegathon – Vega Processor Hackathon (2nd Place)</b>	<b>October 2024</b>
<ul style="list-style-type: none"><li>Secured the runner-up position in a hardware and machine learning-focused hackathon using VEGA series processors.</li><li>Developed TrackTempML, a live weather monitoring and forecasting system using Arduino and ML models.</li></ul>	