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

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

Holy Heart Day Boarding Public School, Fazilka **July 2021 – April 2023**
Higher Secondary Education (Percentage: 88%)

Sacred Heart Convent School, Fazilka **July 2020 – April 2021**
Secondary Education (Percentage: 94%)

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

Projects

IntelliClause (HackRx 6.0 Hackathon by Bajaj Finserv) **August 2025**
- Developed an intelligent Q&A system for precise, context-aware answers from complex insurance policy documents.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline with GPT-4o for high-accuracy responses.

Student Feedback Classifier **June 2025**
- Built a zero-shot text classifier for student feedback using the Google FLAN-T5 large language model.
- Utilized IBM Watsonx for model deployment and prompt engineering.

P2P Vault **April 2025**
- Developed a real-time chat and file sharing application with peer-to-peer communication using WebRTC and Socket.IO.
- Implemented AES-256 encryption to ensure privacy and security of all shared files during transfer.

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 390+ coding problems, including 240+ medium and hard-level challenges.
- Achieved a 57% acceptance rate, outperforming 96% of submissions, demonstrating strong problem-solving 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) **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.