SADHYA MITTAL

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PROFESSIONAL SUMMARY

Highly motivated and detail-oriented Computer Science Engineering student specializing in Business Systems at Vellore Institute of Technology (VIT). Proficient in web development, data science, statistical modelling, and software engineering, with hands-on experience in designing and optimizing digital applications. Adept at computational statistics, financial management, and cost accounting, with strong technical skills in C, C++, Python, JavaScript, and R. Recognized for academic excellence with multiple awards and a proven track record of leadership in both technical and extracurricular activities. Passionate about leveraging technology to solve real-world problems and enhance user experiences.

INTERNSHIP/MENTORSHIP

Intel	May '25 – Present (3 months)
Roles and Responsibilities	• **Tested multiple LLMs** using secure API key authentication to explore capabilities across tasks such as question answering, summarization, and text generation. • **Explored Retrieval-Augmented Generation (RAG)**, by parsing, chunking, embedding, and querying documents with VectorDBs to simulate real-world AI workflows. • **Explored multi-modal AI capabilities** by working with task models across different domains, including image generation, text generation, classification. • **Currently working on a Google Sentiment Analysis project** involving PII classification, profanity detection, sentiment classification.

ACADEMICS / EDUCATIONAL QUALIFICATION

Qualification	Institute	Board / University	% / CGPA	Year
BTech (CSE with specialisation in Business Systems)	Vellore Institute of Technology, Vellore	VIT University	8.80/10	2027
XII	Delhi Public School, Gurugram	CBSE	90.00%	2023
X	Delhi Public School, Gurugram	CBSE	86.50%	2021

Areas of Expertise	Web development, Data Science and Statistical Modelling, Software Engineering, Design Thinking, Computational Statistics, Financial Management, Financial and Cost Accounting
Technical Skills	**Tools / Languages:** MS Office Suite, C, C++, Python, JavaScript, R

PROJECTS

Academic	• **Gallery Hub:** Developed and optimized user interface for my digital museum web application. • **Simon Says:** Created a web application for the popular game Simon Says.

CO-CURRICULAR & EXTRACURRICULAR ACTIVITIES

Achievements	• Awarded Blue Blazer for Academic Excellence	2023
	• Awarded Silver Medal in Cricket for Team Jhelum DPS	2022
	• Awarded Scholar Badge for Academic Excellence	2021
	• Awarded Silver Medal in Cricket for Team Jhelum DPS	2020
	• Achieved a rank of 2856 in DPS Science & Mathematics Talent Examination	2019
	• Volunteered for Shiksha Kendra: A School for Nonformal Education	2018
	• Awarded Gold Medal in URJA-MSJS Hurdle Race	2018
	• Awarded GANITAGYA OF MSJS for Academic Excellence in Mathematics	2018
Technical	• Completed Web Development Bootcamp Course by Angela Yu on Udemy	2025