

Sumit Kumar Mehta

LinkedIn: linkedin.com/in/sumit-alexithymia
Github: github.com/Sakura-winter

Email: sumitkum1819@gmail.com
Mobile: +91-9714043692

SKILLS

- Languages:** C++, JavaScript, C, Java, Python
- Frameworks:** HTML, CSS and Flask
- Tools/Platforms:** MySQL, GitHub, AWS, Linux
- Soft Skills:** Leadership, Team Player, Cognitive Flexibility, Adaptability

PROJECTS

Cross-LLM Validator (GenAI Tool) | [\[GitHub\]](#)

August 2025

- Developed a web-based tool using **Python** and **Streamlit** to cross-validate and compare outputs from multiple Large Language Models (LLMs).
- Integrated **REST APIs** (e.g., OpenAI/Gemini) to automate response quality assessment and reduce hallucination risks.
- Designed a modular `llm_handler` to switch between different models dynamically for real-time testing.
- Tech Stack:** Python, Streamlit, LLM APIs, Prompt Engineering.

Contact Management System (C++) | [\[GitHub\]](#)

June 2025

- Engineered a persistent console-based application using **C++ File Streams (fstream)** for real-time data storage and retrieval (.txt database).
- Implemented **CRUD operations** (Create, Read, Update, Delete) using **STL Vectors**, ensuring efficient dynamic memory management.
- Designed a modular architecture based on **OOP principles** (Encapsulation, Constructors) to separate data logic from the user interface.
- Tech Stack:** C++, Standard Template Library (STL), File Handling, OOP.

DecorAI - AI Interior Design Chatbot | [\[GitHub\]](#)

March 2025

- Developed a full-stack AI chatbot using **Flask (Python)** and **Bootstrap** to provide personalized interior design recommendations.
- Integrated **OpenRouter API** to access advanced LLMs, engineering prompts to simulate an expert decorator persona.
- Implemented **Cross-Origin Resource Sharing (CORS)** to ensure secure and seamless communication between the frontend and backend.
- Designed the architecture to be **Serverless-ready (AWS Lambda)**, optimizing for scalable and cost-effective deployment.
- Tech Stack:** Python, Flask, OpenRouter API, AWS Lambda (Serverless), Bootstrap.

SUMMER TECHNICAL TRAINING

Data Structures & Algorithms (C++) | [AlgoTutor](#) [Link]

June 2025 - August 2025

- Completed a 6-week intensive training on C++ fundamentals, OOPs, and DSA.
- Mastered core OOP principles: **Encapsulation, Polymorphism, Inheritance, and Abstraction**.
- Solved 50+ coding problems**, strengthening logic building in Recursion, Sorting, and Linear Data Structures.
- Analyzed Time and Space complexity (Big-O) to optimize code performance.

CERTIFICATES

AWS Academy Graduate - AWS Academy Cloud Foundations , AWS Academy [\[Link\]](#)

May 2025

Introduction To Internet Of Things (Elite), IIT Kharagpur (via NPTEL) [\[Link\]](#)

April 2025

Software Development Processes and Methodologies, University of Minnesota (via Coursera) [\[Link\]](#)

May 2024

ACHIEVEMENTS

Part of the Operations Support Team for SkyEsports during the MOGO National Inter-College Valorant Championship

Worked with the SkyEsports staff to assist with event operations, match coordination, backend support, and communication handling.

EDUCATION

Lovely Professional University

Punjab, India

- Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.52**

Since August 2023

Kendriya Vidyalaya No. 4

Bathinda, Punjab

- Intermediate; **Percentage: 79.8**

April 2021 - March 2023

Army Public School

Bathinda, Punjab

- Matriculation; **Percentage: 75**

April 2018 - March 2019