Samarth Garg

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Location: 📍 Punjab

Summary

Aspiring Software Engineer with strong foundations in **C++, Java, Python, Data Structures, and object-oriented design**. Experienced in building data-driven applications, APIs, and **analytics dashboards**. Skilled in **problem-solving, collaborative development, and user-centric design**. Passionate about designing scalable, high-impact solutions that solve real-world problems.
Portfolio Link: https://samarthgarg14.github.io/Portfolio/

Education

Lovely Professional University	**Phagwara, Punjab**
Bachelor of Technology - Computer Science and Engineering	*2023 – Present*
CGPA: 8.62	
Bharat National Public School	**Karkardooma, Delhi**
12th — Percentage: 77.60%	*2021-2023*
Happy English School	**Karkardooma, Delhi**
10th — Percentage: 94.20%	*2008-2021*

Projects

COVID-19 Data Analysis Using Python (Python, Pandas, NumPy, Matplotlib) Jan 2025 - May 2025

- Implemented a structured development workflow including data cleaning, feature engineering, visualization, and model evaluation.
- Applied Python libraries (Pandas/Numpy/Matplotlib) to analyze multi-million-record datasets with efficiency.
- Created user-friendly dashboards with insights usable for decision-making.
- Repository Link: https://github.com/Samarthgarg14/covid-data-analysis

Sleep Detox Optimizer (Python, Flask API, Gemini API) Jan 2025 - May 2025

🔗 https://sleep-detox-optimizer.onrender.com/

- Designed a user-centered web interface using HTML, CSS, JavaScript and responsive design principles.
- Built and deployed the web application using Flask for real-time analytics and recommendation generation.
- Integrated AI models to deliver personalized suggestions, improving usability and interaction flow.
- Followed an end-to-end SDLC: requirement analysis → design → development → testing → deployment.
- Repository Link: https://github.com/Samarthgarg14/Sleep-Detox-Optimizer

Certifications

Cloud Computing by IIT Kharagpur April 2025

🔗 NPTEL

ChatGPT-4 Prompt Engineering: ChatGPT, Generative AI & LLM August 2025

🔗 Coursera

Domain Skills

Programming
C++, Java, Python, JavaScript

Web Technologies
HTML, CSS, JavaScript, Responsive UI, Flask

Software Engineering
Object-Oriented Design, Data Structures & Algorithms, SDLC

Tool & Technologies
Git, GitHub, MS Excel (VLOOKUP, Pivot Tables), MS PowerPoint, MS Word

Data Analysis
Python Libraries (Pandas, Numpy, Matplotlib, Seaborn) , Excel Dashboard

Additional Skills:
Strong communication & presentation skills, Team collaboration & leadership, Problem-solving & strategic thinking, Project planning & task prioritization