

# SHIVAM GARG

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LinkedIn Portfolio ↗ LeetCode

## SUMMARY

- Motivated and detail-oriented Software & Full-Stack Developer with strong expertise in backend engineering, API development, and scalable application design. I have built real-world solutions—including ML-driven automation systems, intelligent chatbots, and full stack event platforms—that demonstrate my ability to turn ideas into reliable, user-focused products. Skilled in C++, Python, Java, JavaScript, and SQL with a solid foundation in problem-solving and clean-code practices. I bring a fast-learning mindset, strong ownership, and the ability to adapt quickly to new technologies—making me a valuable asset to any development team.

## PROJECTS

### Sports Event Management System | Live Link | GitHub

June 2025

- Engineered a full-stack event management platform featuring event registration, dynamic dashboards, and live map tracking, streamlining event coordination and user navigation.
- Integrated Google Maps for real-time location visualization, enabling users to track event venues and movement with high accuracy and improved usability.
- Implemented Gemini AI-based recommendation features, delivering personalized event suggestions and enhancing overall user engagement and decision-making.
- Optimized backend workflows and database operations, ensuring smooth scalability and consistent performance even with increasing event and user data load

### History Chatbot with API Integration | GitHub

Apr 2025

- Developed an intelligent history-focused chatbot powered by external APIs to generate accurate, context-aware historical responses for user queries.
- Engineered a robust backend pipeline for handling API requests, data parsing, and response generation, improving system reliability and reducing response latency.
- Designed a clean and user-friendly web interface, enabling smooth conversational interaction and increasing overall user engagement with the platform.

### Farmer's Smart Irrigation Assistant | GitHub

Mar 2025

- Engineered an ML-powered irrigation assistant that analyzes weather, soil conditions, and moisture parameters, delivering highly accurate watering recommendations for farmers.
- Automated irrigation decision-making, reducing manual effort and improving water utilization efficiency by streamlining the prediction-to-action workflow.
- Developed a responsive and user-friendly interface, enabling farmers to monitor suggestions in real time, improving usability and field adoption.

## EDUCATION

### Lovely Professional University, Punjab

Aug 2023 - Present

Bachelor of Technology in Computer Science and Engineering (Present)

## TECHNICAL SKILLS

- Programming:** C, C++, Javascript, Python.
- Web technologies:** React, Next.js, CSS, HTML.
- Database Management:** SQL.
- Operating system:** Windows, Linux.
- Miscellaneous:** Data Structures, Algorithms, Git, GitHub.

## CERTIFICATIONS

### Introduction to Internet of Things | Certificate

Oct 2025

- Completed IIT Kharagpur's NPTEL "Introduction to Internet of Things" certification, gaining hands-on understanding of IoT architectures, sensors, communication protocols, and real-world IoT applications.

### Natural Language Processing Training | Certificate

Aug 2025

- Completed comprehensive training in Natural Language Processing, gaining practical experience with text preprocessing, tokenization, sentiment analysis, and building NLP-based applications.

### SQL for Data Analytics | Certificate

July 2025

- Completed SQL for Data Analytics training, developing strong skills in writing complex queries, performing data extraction, cleaning, aggregation, and generating insights for real-world data analysis.

## ACHIEVEMENTS

- Qualified CBSE Chemistry Level-2 Olympiad.
- Inter-school cricket finalist and medalist.