

SIMRAN RAWAT

(+91) 9968117842 | New Delhi, India
simranrawat8690@gmail.com | LinkedIn | GitHub

EDUCATION

B.Tech (AI & Data Science) : Guru Gobind Singh Indraprastha University	CGPA: 7.8
Army Public School Dhaula Kuan (12th)	Percentage: 85%
Army Public School Shankar Vihar (10th)	Percentage: 89%

TECHNICAL EXPERIENCE

Smart India Hackathon (SIH)	2025 – Ongoing
<ul style="list-style-type: none">Built a semantic search model leveraging the Gemini API, improving relevance of retrieved results.Enhanced user experience by implementing ranking and filtering, reducing irrelevant outputs.Optimized model inference and integrated it with the backend for efficient query processing.	
HackJNU 3.0	January 2024
<ul style="list-style-type: none">Ranked among the top 20 performers from hundreds of participants across India.Built a secure authentication system with credential storage in MongoDB.Implemented database queries and login validation to ensure fast and reliable user access.	
T-Hack 2.0 Hackathon	September 2023
<ul style="list-style-type: none">Ranked top 5 from hundreds of participants across multiple colleges.Implemented backend services in Node.js with MongoDB, defining structured schemas for reliable data storage and retrieval.Designed RESTful endpoints with validation and error handling, ensuring the backend was production-ready for future frontend integration.	

PROJECTS

Vehicle Rental Project [GitHub]	August–September 2025
<ul style="list-style-type: none">Designed and implemented a vehicle rental management system based on Object-Oriented Programming concepts in C++.Implemented class hierarchies (Car, Bike, Vehicle) with polymorphism to support multiple vehicle types.Built features for adding, searching, and renting vehicles, showcasing practical use of OOP design principles.	
Stock Growth Visualization (CS50) [GitHub]	May–July 2025
<ul style="list-style-type: none">Built an animated stock growth chart using Plotly in Python to visualize price trends over time.Processed and cleaned stock market data with Pandas and NumPy for accurate plotting.Showcased interactive visualizations that allowed users to explore historical stock movements dynamically.	

SKILLS

Languages:	Python, C++
Backend:	Node.js, Express.js, REST APIs
Frontend:	React.js
Databases:	MongoDB, SQL (RDS)
Data & Libraries:	Pandas, NumPy
Tools:	Git, Postman