Deepanshu Singla

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Summary

Computer Science undergraduate specializing in **full-stack development, backend systems, and AI-integrated applications**. Experienced in designing scalable APIs, real-time systems, and data-driven platforms using modern technologies. Strong foundation in system design, problem solving, and building efficient, production-ready applications.

Education

Chitkara University   Rajpura, Punjab
B.E. in Computer Science and Engineering (CGPA: 9.06/10)   *Aug 2023 – Aug 2027*

Experience

Open Source Contributor   Jul 2025 – Sep 2025
GirlScript Summer of Code (GSSoC)   *Remote*
- Contributed features and resolved issues across open-source projects using Git workflows and code reviews.
- Improved code quality and maintainability by refactoring inefficient logic, reducing average module complexity by **20%**.

Projects

AetherMeet – Real-Time Collaboration Platform   Oct 2024
Node.js, Express.js, React.js, Redis, Socket.io, MongoDB

- Engineered a real-time collaboration platform supporting 50+ concurrent users using WebSocket communication.
- Designed and implemented **10+ REST APIs** for authentication, messaging, and session management.
- Optimized system performance using Redis caching, achieving **sub-100ms latency** and improving throughput by **30%**.

FiSight – Financial Analytics Platform   May 2024
Python, Node.js, MongoDB (ingestion), MySQL (analytics)

- Developed a financial analytics platform processing **50,000+ records** to generate actionable insights.
- Built predictive models achieving **92% accuracy** for financial trend forecasting.
- Optimized database queries and backend pipelines to improve scalability and execution efficiency.

B-ware – AI Claim Verification Platform   Feb 2026
React.js, Node.js, Express.js, MySQL, Redis, Python (NLP)

- Developed an AI-driven claim verification platform using NLP microservices and automated evidence extraction.
- Designed credibility scoring pipelines enabling real-time validation and decision-making workflows.
- Improved backend performance using Redis caching and deployed containerized services with Docker.

Technical Skills

Languages: Java, C++, Python, JavaScript
Frontend & Backend: React.js, HTML, CSS, Tailwind CSS, Node.js, Express.js, REST APIs, Socket.io, JWT
Databases: MongoDB, MySQL, Redis
Testing: API Testing (Postman), Test Case Design, Functional and Data Validation
Tools & Cloud: Git, Docker, AWS (EC2, S3, IAM), Linux
Core Concepts: Data Structures, Algorithms, OOP, DBMS, System Design

Achievements

DSA Practice: Completed the **160 Days of Problem Solving** challenge on GeeksforGeeks; active on LeetCode.
Hackathons: Participated in GDG Hacks, HackRX 6.0, Hackentine, BharatTechperience 2.0, and Google Cloud AI Day 2025.

Certifications

MERN Stack Development – ThinkQubator

Cloud Computing Fundamentals – Coursera

Introduction to Generative AI – Google Cloud

Generative AI and Agents – Microsoft

Introduction to Python – Coding Ninjas