

MANYA KAPOOR

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EDUCATION

Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

Aug 2023 - May 2027

B.Tech, Instrumentation & Control Engineering(8.32/10)

B.Tech, Computer Science Engineering(9.27/10)

TECHNICAL SKILLS

Languages: C++, Java, Python, JavaScript, SQL

Frontend: React, Tailwind CSS, TypeScript

Backend: Node.js, Express.js, FastAPI, REST APIs

Databases: PostgreSQL, MySQL, MongoDB, Redis, Supabase

Developer Tools: Git, GitHub, Linux, VS Code, Postman

Core CS: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks, Multimeters-, Concurrency, Socket Programming

EXPERIENCE

Accenture | Custom Software Engineering Intern

Jun 2026 - Jul 2026

- Architected an end-to-end Workday HCM capstone by integrating REST APIs, XML transformations, and Python automation scripts, streamlining HR data exchange and business workflows.
- Revamped SQL queries and reporting pipelines within the Workday tenant, improving data retrieval performance and reducing report execution time for high-volume HR datasets.
- Defined React-based dashboard features and migration utilities, collaborating with an 8-member engineering team through Git-based workflows to deliver scalable enterprise solutions.

Google Developer Student Clubs | Women of Tech & UI/UX Team Member

Oct 2024 - Present

- Designed user flows and React-based interfaces, reducing navigation issues during usability testing.
- Conducted 6+ technical workshops for 50+ students and collaborated on Women in Tech initiatives.

PROJECTS

NebulaKV – Distributed Key-Value Store (C++17) <https://github.com/Manyaxkapoor/distributed-key-value-store>

- Engineered a distributed C++17 key-value store supporting 500+ concurrent TCP clients through multithreaded, thread-safe request processing.
- Implemented append-only logging, snapshot recovery, and fault-tolerant persistence, achieving 100% data restoration across simulated server failures.
- Designed consistent-hashing sharding, replication, and TTL-based expiration across 5+ nodes, enabling scalable distributed storage.

Interactive Pathfinding Visualizer https://github.com/Manyaxkapoor/Dijkstra_visualiser

- Built an interactive React-based visualizer for Dijkstra's, A*, BFS, and DFS, enabling real-time exploration of graph traversal and shortest-path algorithms.
- Optimized rendering and state updates to deliver smooth animations and responsive visualization across dynamically generated grids.

DevConnect - Full-Stack Portfolio Platform <https://github.com/Manyaxkapoor/devconnect>

- Architected a full-stack developer portfolio platform with React, Node.js, and Supabase, enabling authenticated users to create, update, and manage portfolio projects through REST APIs.
- Optimized frontend architecture through custom React Hooks and Context API, reducing code duplication by 50% while improving state consistency, component reusability, and application maintainability.

ACHIEVEMENTS

- National Top 38 among 3,000+ teams in the American Express Product Challenge; #1 campus finalist.
- Solved 550+ algorithmic programming problems across data structures and algorithms.
- Orchestrated hackathon logistics for 400+ participants and 20+ volunteers.

LEADERSHIP

Department Undergraduate Committee

Representative

- Coordinated academic issue resolution for 200+ students, improving communication between the department and student body.

Literary & Debating Club

Core Member

- Spearheaded 7+ campus events logistics and cross-functional teams for 7+ campus events, ensuring seamless execution and participant engagement.

Certifications

- Oracle Data Science Professional
- Oracle Cloud Infrastructure AI Foundations Associate
- McKinsey Forward Program | McKinsey & Company | 2026