

Arvind Singh

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PROFESSIONAL SUMMARY

Computer Science undergraduate with experience developing scalable full-stack web applications. Passionate about backend engineering, real-time systems, and AI-powered solutions. Demonstrated strong problem-solving skills and contributed to AI projects during a software development internship at DRDO. Looking for opportunities in software engineer, software development, full stack intern roles.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, SQL

Frontend: React.js, Redux, Tailwind CSS, Bootstrap

Backend: Node.js, Express.js, RESTful APIs, FastAPI, Flask

Database: MySQL, PostgreSQL, MongoDB

Libraries & Frameworks: NumPy, Pandas

Cloud & DevOps: AWS, Docker, Google Cloud, CI/CD Pipelines

Developer Tools: Git, GitHub, Postman, Linux, GitHub Copilot, ChatGPT, Google Gemini, xAI Grok, Claude

Coursework: Data Structures and Algorithms (DSA), Database Management Systems (DBMS), Object-Oriented Programming (OOP), Software Engineering, System Design

EXPERIENCE

Software Development Intern

06 2025 – 07 2025

DRDO

New Delhi, India

- Developed and deployed a secure internal web application that streamlined data access and improved project tracking across research units, managed version control with Git/GitHub.
- Collaborated with scientists and interdisciplinary teams to integrate real-time features, reducing manual reporting time by 30%. Enhanced my development skills and currently contributing to an AI-focused project

Software Engineering Job Simulation

02 2025 – 02 2025

Wells Fargo

Remote

- Designed a comprehensive data model for an investment management system by analyzing business requirements and constructing an Entity Relationship Diagram (ERD) to represent key entities and relationships.
- Implemented the data model using Java Persistence API (JPA) and Spring Boot, enabling object-relational mapping and database operations for financial advisor systems.

PROJECTS

LetsChat / React.js, Tailwind CSS, Node.js, Express.js, MongoDB, GetStream API

[Github](#) / Live

- Built a real-time language chat web application and used GetStream APIs, deployed on Render.
- Connected learners with native speakers via GetStream API, achieving a 99.9% message success rate.
- Engineered a high-performance backend capable of handling 100+ API calls/sec, reducing latency by 35% through optimized routing and database queries.

My-Bookmark / React.js, Tailwind CSS, Node.js, Express.js, MongoDB Atlas, Jina AI

[Github](#) / Live

- Built a MERN stack app to manage 100+ bookmarks with real-time CRUD and responsive UI.
- Integrated Jina AI API to auto-fetch title, favicon, and generate summaries, improving content clarity by 60%.
- Ensured seamless API handling, error validation, and frontend-backend integration.

EDUCATION

Guru Gobind Singh Indraprastha University

New Delhi, India

Bachelor of Technology in Computer Science and Engineering; **CGPA: 8.5/10**

08 2023 – 06 2027

ACHIEVEMENTS

- Selected as a project mentor in GSSOC 2025, guiding contributors in open-source development.
- Google Arcade 2024 Gold Level achiever with 25,000+ points in cloud labs and badges.
- Solved over 500 problems across platforms like LeetCode, GeeksforGeeks, and CodeChef.
- Contributed to major open-source programs including GSSoC 2024 and SSOC 2025.