

Ayush Katheriya

Gurugram, India | iamayushkatheriya@gmail.com | 8439043289

[GitHub](#) | [Linkedin](#) | [Portfolio](#) | [LeetCode](#) (740+)

Professional Summary

Full Stack Software Engineer experienced in developing industry-ready web applications and intelligent platforms. Skilled in building secure backend services, distributed systems, and AI/LLM-integrated features that enhance automation, analytics, and user experience. Strong foundation in data structures, system design, and performance optimization.

Technical Skills

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

Frameworks & Libraries: ReactJS, Next.js, Node.js, Redux, Zustand, Express.js, FastAPI, TailwindCSS, Zod.

Databases & Infrastructure: PostgreSQL, MongoDB, MySQL, Redis, Prisma, AWS, Docker.

Tools & Concepts: Data Structures & Algorithms, System Design, Distributed systems, Microservices, Generative AI, LLM Prompt Engineering, Github, Linux, REST APIs, WebSockets, OOP, CI/CD, OAuth, SDLC, Anthropic, Agile, Scalability.

Work Experience

CloudPlay Solutions

June 2025 - Present

Software Engineer (Full Stack)

- Architected and delivered scalable backend services and internal platforms supporting user management, dashboards, and operational workflows, enabling efficient data processing and system coordination.
- Designed high-performance REST APIs with secure JWT-based authentication and optimized database interactions, reducing response latency by 25% and improving system throughput.
- Contributed to frontend integration and deployment workflows, implementing responsive UI modules and supporting CI/CD automation to improve platform reliability and development efficiency.

CloudPlay Solutions

April 2025 - June 2025

Software Engineer Intern

- Contributed to internal applications by assisting with backend API integration, data workflows, and feature enhancements, while supporting debugging and improving overall application functionality.

Project Work

Keytype — Real-Time Typing Platform | [Live](#)

- Architected a real-time typing platform leveraging Next.js, Node.js, and Redis, implementing OAuth authentication, instant scoring, and live performance analytics while supporting 50+ concurrent users.
- Integrated **AI-driven typing analysis using LLM-based evaluation** to identify typing patterns and deliver accuracy insights that enhance user performance.
- Accelerated backend responsiveness through Redis caching and API optimization, reducing user data retrieval latency by 40%.
- Designed scalable RESTful services and interactive gameplay features including chat and leaderboards, increasing average session duration by 25% and strengthening user engagement.

AI Powered ATS Resume Analyzer

- Designed an AI-powered ATS Resume Analyzer using **TF-IDF, Cosine Similarity, and BM25 Algo** to generate deterministic resume – JD match scores.
- Delivered a scalable full-stack system with Next.js, React, Node.js, and Express.js for resume parsing, skill extraction, and automated job-fit analysis.
- Established an NLP skill-extraction pipeline covering 100+ technical keywords using regex normalization and semantic mapping for accurate ATS keyword detection.
- Enabled LLM model to generate targeted resume optimization insights while preserving deterministic scoring logic.

Distributed Social Network Backend (Microservices Architecture) | [GitHub](#)

- Designed and implemented a distributed backend architecture with 6 independently deployable microservices, coordinated via an API Gateway, enabling scalable social networking workflows.
- Integrated Redis for real-time messaging and caching, improving message delivery performance and enabling scalable chat infrastructure.

Education

G.L. Bajaj Institute of Technology and Management, Greater Noida

Nov 2021 – Jul 2025

Bachelor of Technology (B.Tech) in Electronics and Communication Engineering

Coursework: Data Structures & Algorithms, Object-Oriented Programming, DBMS, OS, Computer Networks

Achievements and Certificates

- Certified in Modern Python (Great Learning) | [Certificate](#)
- Certified in Data Structures & Algorithms (Simplilearn) | [Certificate](#)
- Profiles: [LeetCode](#) | [GitHub](#) | [Project](#)