

Parth Sharma

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Technical Competencies

- Programming Languages: C/C++, Java, JavaScript, Python, Golang
- Databases: MongoDB, PostgreSQL, MySQL
- Development Environments: Linux, Windows
- Cloud & DevOps: AWS Services such as EC2, S3, Lambda, RDS and API Gateway
- Strong understanding of Data Structures and Algorithms & Object-Oriented Programming
- Web Technologies: React.js, Tailwind CSS, Next.js
- Tools & Frameworks: Redis, Socket, Spring Boot, Docker, Git
- Backend & APIs: API Integration, RESTful APIs

PROJECTS

Mentorship Matching Platform

- Technologies: Next.js, React.js, TypeScript, Prisma ORM, PostgreSQL, NextAuth, Pusher, Cloudinary, React Hook Form, Zod, Zustand, EC2
- Engineered a full-stack mentorship matching platform with real-time messaging capabilities and role-based user matching
- Implemented secure authentication using NextAuth with multiple OAuth providers (Github)
- Built responsive UI using Tailwind CSS and integrated real-time notifications using Pusher
- Utilized Cloudinary for media management and Prisma ORM with PostgreSQL for robust data handling

Smart Contact Manager

- Technologies: Java, Spring Boot, Spring Security, JPA, Thymeleaf, MySQL, Hibernate Validator, Spring DevTools
- Architected a secure contact management platform handling 100,000+ contact records
- Optimized data persistence with JPA and MySQL, achieving 95% faster search results
- Built responsive UI with Thymeleaf, reducing page load time by 40%
- Established robust validation protocols, decreasing data entry errors by 75%
- Constructed comprehensive test suite achieving 90% code coverage

Real-Time Leaderboard Service

- Technologies: Redis, Python, RESTful APIs, Docker, Flask
- Engineered a scalable backend system for a real-time leaderboard service leveraging Redis sorted sets, reducing query response time by 60%
- Implemented user authentication, score submission, and score history tracking features

Education

Chandigarh Engineering College
Bachelor of Technology in Computer Science Engineering

Mohali, Punjab
2021 - 2025

Model School Rohtak
Intermediate – Non-medical – 84.6%

Rohtak, Haryana
2021

Model School Rohtak
Matriculation – 90%

Rohtak, Haryana
2019

Extracurricular

- Ranked in top 5% of AMCAT (Aspiring Minds Computer Adaptive Test) among 10,000+ participants.
- Mastered data structures and algorithms by solving 300+ problems with 80% optimal solutions.