Akshat Prashar

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Profile Summary

Aspiring Software Engineer with a solid foundation in Data Structures & Algorithms, Object-Oriented Programming, Databases, and Operating Systems, and practical experience building backend-focused systems. Experienced in working with both Java and JavaScript-based backends, with an emphasis on correctness, data integrity, performance, and handling failure scenarios. Comfortable taking ownership of features from initial design through implementation and deployment, with a strong interest in building scalable and reliable SaaS systems.

Education

Bachelor of Engineering in Computer Science and Engineering

Chitkara University, Himachal Pradesh   Aug 2023 – 2027
Relevant Coursework: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Linux Fundamentals

Projects

Fund Flow – Multi-User Transaction System
JavaScript, Node.js, PostgreSQL, Supabase

- Built backend transaction workflows with strict validation, atomicity guarantees, and failure handling to maintain data consistency.
- Optimized SQL queries and access patterns, reducing average response time by approximately 40%.
- Implemented idempotent operations to safely support retries and handle concurrent requests without duplicate state changes.
- Took end-to-end ownership of 4+ backend features, covering development, testing, deployment, and post-deployment debugging.

College Attendance Portal – Role-Based Management System
JavaScript, Node.js, MongoDB

- Developed backend logic supporting three roles (admin, teacher, student) with authorization and access control.
- Designed REST APIs handling 1,000+ daily requests with predictable performance under concurrent usage.
- Improved read performance by around 15% through indexing and query optimization.
- Debugged production-like issues, handled invalid inputs, and collaborated within a 3-member team to deliver features on schedule.

Achievements & Certifications

- Solved **300+ Data Structures & Algorithms problems**, including **100+ medium-level** problems involving arrays, trees, graphs, recursion, and DP.

HackIndia 2025 — Top 10% among 300+ participants

- Shipped a working prototype under strict time constraints.

XR Creator Hackathon 2025

- Built interactive prototypes; recognized for logical flow and usability.

Technical Skills

Core Foundations: Data Structures & Algorithms, Problem Solving, OOP, DBMS, Operating Systems
Languages: C++, Java, JavaScript
Backend & Web: REST APIs, Backend Logic, HTML/CSS/JavaScript
Databases: PostgreSQL, MongoDB
Tools & Environment: Git, GitHub, Postman, Linux Command Line

Personal Traits

End-to-end feature ownership | Clear technical communication | Team-based development | Structured reasoning |
Comfort working in evolving requirements