

# DEEPAK SHARMA

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## SUMMARY

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Backend Engineer (SDE II) with 3+ years of experience in distributed systems and high-scale architectures. Proven track record at Flipkart and Newton School in optimizing microservices, reducing latency, and building resilient internal frameworks. Expert in Java, SpringBoot, and System Design.

## SKILLS

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**Languages & Frameworks:** Java, Python, SpringBoot, Apache Camel, Groovy, Junit, Shell/Linux Scripting.

**Infrastructure & Tools:** Redis, Kafka, Hbase, MySQL, Docker, Kubernetes, CI/CD, Maven, Gradle, GitHub.

**Core Competencies:** Distributed Systems, Microservices (REST), HLD/LLD, Data Structures & Algorithms.

## EXPERIENCE

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### SDE 2

June 2025 – Present

#### Newton School of Technology

Bangalore, IN

- Engineered high-throughput backend services for real-time feedback systems, reducing instructor manual workload by 40% via automated project evaluation pipelines.
- Architected resilient microservices using Java/SpringBoot and Kubernetes, supporting 10k+ concurrent users with 99.9% uptime during peak traffic.
- Optimized database schema and caching strategies, resulting in a 25% improvement in API response times for student dashboards.

### Senior Tech Consultant (EdTech)

Oct 2024 – May 2025

#### HIT BULLS EYE, ALGO TUTOR, TECH ACADEMY

Delhi, IN

- Modernized legacy backend architectures for 3 startups, improving system scalability and reducing infra costs by migrating to containerized microservices.
- Mentored 1,000+ students in Advanced DSA and System Design, achieving a high success rate in Tier-1 product company placements.

### Product Engineer

Apr 2024 – Oct 2024

#### CODING BLOCKS

Delhi, IN

- Developed search and localization APIs, reducing global content load times by 15% and enhancing platform accessibility for international users.
- Spearheaded the design of interactive student analytics dashboards using optimized RESTful endpoints.

### Software Development Engineer

Sep 2022 – Mar 2024

#### FLIPKART

Bengaluru, IN

- Performance Optimization:** Reduced Seller Listing Turnaround Time (TAT) by 30% by re-architecting an Apache Camel-based fork-join framework to be lock-free via Redis integration.
- AI Integration:** Spearheaded the automation of 230k+ product descriptions using OpenAI APIs, significantly reducing manual ops effort and enhancing SEO-driven pricing strategies.
- System Reliability:** Developed a custom FAT JAR/Library for Catalog Management, decreasing end-to-end integration testing time by 50% and lowering cross-team automation costs.
- Core Features:** Owned the design of EMI enhancements and search feed widgets, collaborating with cross-functional teams to drive features impacting millions of daily active users.

## EDUCATION

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**B.E. in Computer Science Engineering**

Delhi-NCR

Class of 2017

CGPA: 6.93

- **Coursework:** Distributed Systems, Operating Systems, Advanced Algorithms, DBMS, Networking.