

# DEEPAK SHARMA

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## ABOUT ME

Passionate backend engineer and DSA enthusiast, fascinated by building scalable systems and solving complex problems across distributed architectures. Experienced in collaborating with top tech product companies, driving impactful features, and optimizing high-performance frameworks. Dedicated to exploring the depths of computer science and mentoring 1000+ students to excel in coding and system design.

## SKILLS

**Technology Stack:** SpringBoot, Apache Camel, Redis, Kafka, Hbase, MySQL, Docker, Kubernetes, CI/CD, Maven, Gradle, GitHub.

**Technical Skills:** Java, Python, Junit, Shell/Linux Scripting, HTML, CSS, Groovy, Data Structures Algorithms, RESTful MicroServices, System Design (HLD/LLD), OS, DBMS.

## EXPERIENCE

### SDE 2

**Newton School of Technology**

June 2025 – Present

Bangalore, IN

- Built scalable backend services supporting real-time student feedback and project evaluation systems, reducing instructor workload by 40 percent while maintaining high quality metrics.cdf
- Architected and implemented resilient microservices (using Java / SpringBoot, containerized via Docker / Kubernetes) to support curriculum delivery, scaling to thousands of concurrent users with near-zero downtime.

### Senior Tech Consultant – EdTech Startups

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

Oct 2024 – May 2025

Delhi, IN

- Designed and delivered computer science curricula (DSA, system design, problem-solving) across 10+ cohorts, training 1,000+ students with strong placement outcomes.
- Advised founders and engineering teams on course architecture, tooling, and backend systems, modernizing technical education platforms and improving scalability.
- Mentored instructors and developers to maintain and iterate on learning platforms, ensuring long-term sustainability and quality.

### Product Engineer

**CODING BLOCKS**

Apr 2024 – Oct 2024

Delhi, IN

- Built platform features to improve student engagement and content accessibility, including interactive dashboards and analytics for course progress.
- Authored internal APIs for search and localization support, optimizing platform performance and reducing load times.

### Software Development Engineer

**FLIPKART**

Sep 2022 – Mar 2024

Bengaluru, IN

- **Enhanced Framework Efficiency:** Optimized fork-join feature in an Apache Camel-based framework by removing locks and integrating Redis, improving seller listing TAT by 30% and reducing deadletters.
- **Rich Product Description:** Leveraged OpenAI chat APIs to auto-generate product descriptions at scale ( 230K products), reducing manual effort and impacting pricing strategies.
- **Platform Features Delivery:** Owned design and implementation of features including search feed widgets, sale fees, value-added services, and EMI enhancements; collaborated closely with PMs, architects, and engineers.
- **Integration Testing Framework:** Developed end-to-end integration framework for Catalog Management system with user-centric FAT JAR/Library, reducing testing time and automation costs while enabling cross-team usability.

## **EDUCATION**

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**B.E. Computer Science Engineering,**  
Delhi-NCR, Class of 2017

CGPA: 6.93

**Coursework:** Algorithms, Data Structures, Operating Systems, Database Management System, Advanced OS, Networking