DEEPAK SHARMA

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Employment

Software Engineer	Flipkart	September 2022- Present

DOMAIN: Catalog and Buying Engineering.

Project - Integration Testing Framework

- Designed and implemented a robust, end-to-end integrated testing framework for Flipkart's Catalog Management system, ensuring seamless functionality and integration testing.
- Developed a user-centric FAT JAR/Library, reducing time and automation costs while providing cross-team usability for implementing robust integration frameworks within the organization.

Project - Client Service For Automation Framework

- Collaborated in developing a sophisticated client service that efficiently stored responses for testing purposes and co-authored the design and implementation of mock APIs, enabling flexible manipulation of ML model calls and delivering tailored responses.
- Played a key role in planning and executing test scenarios with multiple teams, utilizing the mock service to simulate real-world scenarios and evaluate system behavior, while actively contributing to debugging and troubleshooting efforts for maintaining optimal functionality. Demonstrated strong problem-solving skills and a proactive approach, constantly exploring innovative ideas to enhance the capabilities and performance of the mock service.

Tech Stack : Java, Python, Kubernetes, Docker, Junit, Kafka, Microservices, Maven, SQL, CI/CD, Shell Scripting.

EDUCATION

Delhi-NCR	SRM University	June 2013 – May 2017

- BTech in Computer Science Engineering. GPA: 6.9.
- Coursework: Algorithms, Data Structures, Operating Systems, Database Management System, Theory of computation, Architecture, Networking, Computer Programming, Advance OS.

Sonipat, Haryana	Jankidas Kapur Public School	June 2012 – May 2013

- (12th Standard): CBSE. Percentage: 72%
- Coursework: Physics, Chemistry and Math.

Sonipat, Haryana	South Point Public School	June 2010 – May 2011

- (10th Standard): CBSE. CGPA: 9.0
- Coursework: Sciences, Social Sciences, Math and English.

TECHNICAL EXPERIENCE

Projects

- **Built a Backend Clone of Instagram:** Converted requirements to a Minimum Viable Product similar to Instagram's backend. Designed Class structure, use-cases and implemented the APIs to mimic Instagram's backend.
- **Built a web app dashboard for IPL:** A web app to visualize IPL data in a dashboard format built on React. The backend was written using Java under Spring framework and it was deployed on AWS.
- **Personal Assistant Robot**: A robot built for monitoring the environment using cameras and ultrasonic sensors. It was built using RaspberryPi and programmed using Python, IoT
- **Java Collections Clone:** Implemented Stacks, Queues, LinkedLists, HashMap, ArrayList, Priority Queue, Trees, Binary Search Trees and Graphs in a backend API like Java's collections.