Kritika Choudhary

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SKILLS

Programming Languages: Java, Python, Shell Scripting, SQL
Frameworks & Tools: Spring Boot, Apache Kafka, Apache Drill
Cloud & Orchestration: Google Cloud Platform (GCP), Kubernetes (on-premises & cloud)
Databases: Cassandra, MongoDB, ClickHouse (OLAP), DynamoDB
Operating Systems: Linux
Subjects: Data Structures and Algorithms (DSA), DBMS, Operating Systems, Computer Networks, OOPs
Others: Problem Solving,Teamwork & Collaboration,Leadership,Time Management,Adaptability

EXPERIENCE

Software Engineer — July 2024 – Present
Finvu AA — *Pune*

- Built and optimized robust data pipelines and real-time streaming solutions leveraging Python, Java, and Apache Kafka, supporting scalable analytics and transactional workflows.
- Deployed, managed, and automated services on Kubernetes across both on-premises and cloud environments, ensuring high availability and operational efficiency.
- Designed and implemented comprehensive monitoring, alerting, and observability assets for data platforms and applications, boosting reliability and performance.
- Contributed across the full data lifecycle in a startup environment, from ETL development and migration and integration of database systems from Cassandra to ClickHouse, enabling advanced OLAP-to-OLTP transformations, infrastructure automation, and cross-functional collaboration.

Software Development Intern (SDE) — Jan 2024 – June 2024
Amazon — *Bangalore*

- Collaborated with Amazon Payment team to improve seller experience by designing and implementing asynchronous bulk operations using AWS services such as DynamoDB, S3, and Lambda functions orchestrated with state machines.
- Presented high-level design (HLD) documents and proposed design approaches to address project requirements. Designed APIs and worked on Microservices.
- Developed unit tests and integration tests using JUnit and Mockito, ensuring system reliability and functionality under various scenarios.

Research and Development Intern — October 2022 – December 2023
DRDO — *Hybrid*

- Researched about algorithms for object detection systems and AR/VR Technology for use in defense systems.
- Presented research findings to a team of senior engineers and scientists.

PROJECTS

QuickServ | *React, Spring Boot, MongoDB*

- Developed a service aggregator platform connecting users with local providers like electricians and carpenters etc.
- Added search filters by category, location, and price to improve discoverability and user experience.
- Implemented secure user authentication using **JWT tokens** for role-based access control.
- Added **Google** logins using Firebase Authentication.

Bookmate (Book Reselling website) | *HTML, CSS, React, Firebase*

- Used Firebase for authentication and storing information of books.
- Users can sell their old books by filling a form provided and a cart will be generated on the main page to buy the book at the provided cost.

EDUCATION

D.Y. Patil College of Engineering Pune — Bachelor of Engineering 2024 — CGPA: 9.2

ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

- Successfully led a team of 20+ members as Vice President of ACES (Student Club), organizing 10+ events including workshops and guest lectures, which enhanced my leadership, teamwork, project management, and communication skills.
- Solved **300+** coding problems on various platforms like codechef, leetcode, codeforces.
- Completed **FlipKart Grid 4.0** level 1.