Ashray Bharambe

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Education

DAIICT, Gandhinagar, India   Bachelor of Technology   CGPA: 7.38

Experience

Flipkart Bangalore   Software Engineer   March 2021 - Present

I work on an Auto-content platform which generates contents capable of being served on critical Flipkart pages like home page, browse pages etc. I created a service which managed text and image assets to aid insertion, updation and searching of these assets. This component also helped in reducing existing operational overhead and infra components. I worked on enriching content with grouping tags which grouped similar content and enabled serving of grouped contents in a widget. This helped in merchandising similar contents to customers.

HSBC Pune   Software Engineer   July 2019 - March 2021

I worked on the HSBC control-plane team designing and developing APIs for securely managing and retrieving customer data. The APIs were built using microservices architecture and the mulesoft framework provided by Salesforce.

General Electric - Digital Bangalore   SDE Intern   May 2018 - July 2018

Built an intelligent proactive model for predictive analysis which provided insights on aircraft engine parts using regression methods. This model resulted in increasing the efficiency of the inspection process and also making it cost effective.

Projects

Research Paper Publication - UC2Map   ACM/SIGAPP

UseCasesToUseCaseMaps

Many times developers start with a high-level description of a use case which is then used in place of a more formal requirement. Having a varied level of details and degree of formalism among use cases, it is often difficult to comprehend and visualize functional dependencies among each of them in detail. Use Case Map (UCM) elaborates such dependencies in terms of relationships and responsibilities, and acts as a bridge between specifications and design artifacts.

Parallel Merge Sort
https://github.com/ashraybharambe/Parallel-Merge-Sort

Implemented multithreaded merge sort, in java, resulting in an efficient sorting algorithm. Analyzed the behavior by varying the number of threads. It was observed that multithreaded merge sort is significantly more efficient than single thread merge sort. However, the efficiency degrades if the number of threads is increased beyond a certain threshold.

Skills

Microservices	Python	Spring framework	MySQL	Hadoop	SVC (Github)	MySQL
Bash/Linux	Kafka	Apache Spark	Java	Kubernetes	Maven	Hbase