

CHANAKYA VISHAL KP

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chanakyavishal

EDUCATION

International Institute of Information Technology, Hyderabad (IIITH)

B.Tech in Computer Science and Engineering (2016 - 2020)

EXPERIENCE

Software Development Engineer, Reliance Jio

Aug 2020 -

- Working as a backend developer in the Jio Financial Services organization.
- From scratch developed and owned the Microservice for fetching the Demographic information of various entities for display in the Fraud and Risk UI.
- Designed and developed a service to actively obtain the settlement status of merchant transactions for the fraud and risk tool. Ensured a retry mechanism wherein, even if the consuming service is down, no transaction status would be lost.
- Worked on the Merchant Settlement Hold APIs for enabling the Fraud and Risk tool to have the functionality of holding the settlement to a merchant.
- Contributed to the Fraud and Risk microservices that act as a gateway for the integration with a new COTS product into the enterprise ecosystem.
- Contributed to the service for pushing Demographic data to the Fraud and Risk Database from various sources systems.
- Technologies: Java, Spring Boot, Hibernate, Kafka, Redis

Software Engineering Intern, Statwig

Dec 2017 - Jan 2018

- Worked on developing TwigCollector, an Android app which acts as a link between various IOT sensors in the field and the cloud in the IOT ecosystem.
- Technologies: Android Studio, SQLite, Java, Volley

SELECTED MAJOR PROJECTS

Wikipedia Search Engine

- Developed Search Engine for a Wikipedia dump (63GB) using external merge sort and secondary indexing with query time under 8s.
- Ranked results by calculating relevance of search query to results using tf-idf.

Universal Style Transfer

- Implemented a model that can infuse the artistic style of one image into the content of another image. For example, turning a real life photo into a Van Gogh painting.
- Utilised an Encoder-Decoder model with the stylization being accomplished by matching the statistics of content/style image features through Whitening-Color Transform (WCT).

SELECTED COURSEWORK

Information Retrieval and Extraction
Statistical Methods in AI Algorithms
Distributed Systems Data Structures
Data Warehousing and Data Mining
Operating Systems Database Systems
Advanced Computer Networks

SKILLS

Languages

Proficient: Java C++

Past Experience: Python

Tools & Technologies

Proficient: Spring Boot Hibernate
Kafka Redis Git SQL Oracle

Past Experience: Flask Neo4j

ACHIEVEMENTS

Finalist of Microsoft Code.Fun.Do

Developed a block-chain based money donation platform for natural disaster relief. Presented the project at Microsoft AXLE 2019.

SELECTED MINOR PROJECTS

Courier Portal:

Web based portal designed for managing couriers. Built using Flask, MySQL and JavaScript.

Stock Market Clustering:

An analysis of historical stock market data using K-means clustering and Dynamic time warping with various methods of visualization used to understand the data.

Mini DropBox:

Used socket programming to create a distributed file sharing and management system where users can upload and download files from server.