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WORK EXPERIENCE

Tata Consultancy Services [Apple]

Hyderabad, Telangana, India

Systems Engineer

July 2020 – December 2021

- **Cascade:** Designed and Developed an end-to-end solution for data management for the **Apple** sales team by developing an intuitive user data entry tool using **React JS**.
- Reduced the processing time by developing low latency services using the **Java framework** and by caching mechanisms. Introduced smart excel based uploads which help the user to detect errors in excel files even before uploading the data. This has saved **60%** of the user time for entering the data.
- Used AG grid to display the table data efficiently with **lazy loading** and **debouncing** to reduce application loading time by **2 seconds** and used **D3 JS** to create visualizations for the data.
- Created metrics dashboard using **Splunk** to monitor the health of the application and created triggers to warn about outage which reduced manual effort by **50%**.
- Developed **Kafka** and **Spark** pipeline to handle real-time streaming data, apply business logic and send the data to appropriate destination tables in Cassandra and relational database.

EDUCATION

SAN JOSE STATE UNIVERSITY [CGPA : 3.9]

San Jose, CA, USA

Master of Science in Computer Software Engineering

January 2022 – December 2023

(Cloud Technologies, Data Mining, Enterprise Distributed System, Enterprise Application Development, Virtualization Technologies)

Anurag Group of Institutions [CGPA : 3.8]

Hyderabad, Telangana, India

Bachelor of Technology in Information Technology

August 2016 – June 2020

(Object Oriented Programming, Database Management, Operating Systems, Design and Analysis of Algorithms, Data Structures)

SKILLS

Programming Languages	: Java, JavaScript
Databases	: SQL Server, MongoDB, MySQL
Frameworks	: React JS, RESTful API
Web Technologies	: HTML5, CSS, Redux, Apache Kafka, UI/UX
Cloud Technologies	: Dev Ops, AWS (EC2, RDS, S3), Docker, GCP
Software Methodologies	: Agile SCRUM
Tools, Servers, and Others	: Apache Kafka, Git, Visual Studio Code, Sonar Qube, Maven, Postman, Splunk, Jenkins, VMware workstation, Vagrant, Ansible, Google Colab, Mockito

PROJECTS

eDiligence Application:

Spring2022

- Worked on real-time eDiligence project which is a AI enabled application that helps real-estate representatives mitigate risks.
- Designed intuitive user interface for the application and enhanced the ease of use by smart auto-fills.
- Real time data was displayed in the application using graphs, improving user experience.
- Utilized GitLab to implement CI/CD pipelines and have deployed docker images on digital ocean droplets.
- **Technologies used:** React JS, Node JS, Bootstrap, D3JS.

Crypto Currency Tracker:

Spring2022

- Built a crypto tracker where users can get latest information about crypto currencies and learn about them and also make predictions.
- Used Rapid API services to get the real time data about all the crypto currencies.
- Created line charts to visualize the trends in the value fluctuations of these cryptos.
- **Technologies used:** React JS, AWS, Bootstrap.

Walmart Sales Prediction:

Spring2022

- Built a time series model and regression model to predict the future trends of the sales in Walmart based on the day of the week.
- Performed data pre-processing and cleaning along with feature selection and feature extraction.
- Improved the accuracy of the model by 10% using PCA and by hyper tuning using Grid Search CV.
- **Tools and Technologies used:** Python, LSTM Model, Regression Model, Light GBM Model, Google Co-Lab.