KASI VISWANATH VANDANAPU

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PROFESSIONAL SUMMARY

Computer Science graduate student passionate about Web technologies and Machine Learning with prior experience in Data Engineering and Cloud services. Proficient in a range of modern technologies including GCP, Apache spark, D3, and PowerBi visualization

EDUCATION

Northeastern University, San Francisco, US — January 2022 - December 2023
Khoury College of Computer Sciences — (Expected)
MS, Computer Science | CGPA: 3.89/4.0
Related Courses: Algorithms, Programming Design Paradigms, Machine Learning, Natural Language Processing, HCI

Amrita School of Engineering, Bangalore, India — June 2015 - May 2019
B.Tech, Computer Science | CGPA: 8.79/10.0
Related Courses: Big Data Analytics, Data Structures, Parallel Data Processing, Machine Learning, Data Mining

SKILLS

Programming Languages: Python, JavaScript, Java, C
Web Development: React, HTML, CSS, Express
Open Source: Apache Spark, Airflow, Pytorch, TensorFlow
Testing Framework: JUnit, Cypress, Jest, Selenium
Coursera Certifications: Smart Analytics, Machine Learning, and AI on GCP, Building Batch Data Pipelines on GCP

EXPERIENCE

Northeastern University, USA — May 2022 - Present
Research Assistant

- Developing a List-curator application in JavaScript following the Reactive programming paradigm
- Building custom data **filterer, annotator, and sort features,** using SCRUM methodology with Design principles

Infosys, India — May 2019 - December 2021
Levi Strauss & Co. | Spark Developer

- Built and deployed batch data pipelines in the **Production Environment**, scheduled and monitored complex data transformations using **Apache Spark**, **Delta Lake, Databricks, Apache Airflow**, and **AWS services** for the Demand Forecast Application
- Incorporated window functions in the data transformation stage to optimize **Spark Jobs** which increased **Efficiency by 30**% and **reduced the cluster's memory usage by 15%**
- Created **a Metadata-driven framework** that reduced deployments in the production environment by 30%

Kraft Heinz (POC) | Python Developer

- Implemented **Event-driven framework** for **batch data pipelines** and extended it to handle **stream data pipelines** using Google Cloud Platform Services
- Reduced Data pipeline Latency by integrating **Google cloud services** with the DBT data transformation tool

PROJECT

Combinatorial Optimization — August 2022 - Present

- Implementing Online Bipartite matching with Neural Networks to find the optimal cost of the G-Mission dataset
- Calculating accuracy metrics of various machine learning models such as Feed-forward, Graph neural networks

PUBLICATION

V. K. Viswanath, C. G. V. Madhuri, C. Raviteja, S. Saravanan and M. Venugopalan, "Hadoop and Natural Language Processing Based Analysis on Kisan Call Center (KCC) Data," 2018 International Conference on Advances in Computing, Communications and Informatics (ICACCI), 2018, pp. 1142-1151, DOI: 10.1109/ICACCI.2018.8554531