

Jugal Kishore Gandhesiri

408-666-5908 | jugalvs@gmail.com | [linkedin.com/in/](https://www.linkedin.com/in/) | github.com/

EDUCATION

Texas A & M University Corpus Christi

Master of Science in Computer Science

Corpus Christi, TX

Jan. 2021 – Aug 2022

Osmania University

Bachelor of Engineering in Computer Science

Hyderabad, India

Aug. 2015 – Jun 2019

EXPERIENCE

Graduate Research Assistant

Texas A&M University

Jan 2021 – Aug 2022

Corpus Christi, TX

- Worked on building a REST API using FastAPI and PostgreSQL to store data from learning management systems for the University's website.
- Developed a full-stack web application using Django, HTML, CSS, MySQL and Docker to analyze Student Performance data.
- Worked as an instructor for Statistical Analysis Lab using the JMP tool and Calculus using Matlab.

Data Engineer

Ooba Labs

Jun 2019 – Dec 2020

India

- Handled migration of data among multiple data storages like hdfs, Elasticsearch, Teradata, Oracle, S3 etc.
- Automated Data pre-processing and schema validation using PySpark, SQL and Airflow which eliminated manual efforts completely.
- Daily status calls to discuss the status of designing and creating pipelines for new data sources, automations and RCA for any failures in ETL pipelines.
- Worked closely with the Data Analytics Team to develop a Data Validation tool which helped the Data Science team to validate records based on various metrics.
- Collaborated with the various development teams to gather requirements, project planning, design and implementation.
- Engaged in code fixes and shipped new features to improve user experience based on feedback.

Data Science Intern

3Qi Labs

Sep 2018 – May 2019

India

- Wrote Python scripts to load data from S3 bucket, to perform Univariate and Bivariate Analysis to get insights from data and create visualizations to learn data patterns and their correlations.
- Handled the imbalanced dataset using oversampling method SMOTE and generated synthetic data.
- Responsible for generating insights from customer data using Exploratory Data Analysis and Data Visualization Tools like Kibana and Tableau.

PROJECTS

Student Performance Application | *Python, Django, HTML-CSS, PostgreSQL, Docker* June 2022 – July 2022

- Developed a full-stack web application using with Django serving a REST API with HTML & CSS as the frontend
- Visualized Student Performances using Dashboards that reads data directly from Blackboard which the official learning application used by the University.

Batch Processing Data Pipelines | *Python, Hdfs, AWS S3, Redshift*

Aug 2021 – Dec 2021

- Developed a data pipeline to classify the sales data, which is stored in Hdfs. Pipelines loads the data into data warehouse tool AWS Redshift.
- Orchestrated the data pipeline using Apache Airflow DAG's and Python scripts.
- Containerized the Batch processing pipeline by installing airflow and Hdfs using Docker compose.

TECHNICAL SKILLS

Languages: Python, TypeScript, HTML5, CSS, PHP, Shell Script, C, C++, PL/SQL

Databases: MySQL, MongoDB, Elasticsearch

Frameworks: Django, React, Angular, Flask, Node.js, Bootstrap, Hadoop, Spark

Developer Tools: Git, Docker, Google Cloud Platform, VS Code

Libraries: pandas, NumPy, Matplotlib

Operating Systems: Ubuntu, Windows 10