

Yara Nuthan Kalyan

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EDUCATION

B.Tech in Computer Science and Engineering(Data Science)

MLR Institute of Technology (GPA:8.7/10)

2021 – present
Hyderabad, India

Intermediate

Sri Chaitanya Junior Kalasala (96.2%)

2019 – 2021
Hyderabad, India

SSC

NSKK high school (92%)

2009 – 2019

Hyderabad

TECHNICAL SKILLS

Programming languages | Libraries : Python, Java, DSA in python, Scikit-Learn, BeautifulSoup

Tools : VS Code, Jupyter, PowerBI, MS Excel (VBA), Tableau, Azure Data Studio, Git, Github

Web | Databases : HTML, CSS, JavaScript, Node JS, MySQL, Azure Databases

PROJECTS

Streamlining Student Data Management [↗](#)

Tech Stack : HTML, Python Flask, Azure SQL Server, PyODBC, PowerBi, Git

- Automated end-to-end student data for over 5,000 students is stored in a database with 99.9% accuracy and real-time updates every 10 minutes.
- Engineered a Flask-based application to capture and process user inputs, enhancing data accuracy by 30% and reducing data processing time by 35%.
- Created an Azure SQL Server and DataBase in the Azure cloud and connected them to the Flask application using the pyodbc library.
- Prepared an ER model for table creation in the database.
- Performed CRUD operations on Azure SQL Server.
- Analyzed user activity by building a live dashboard using the PowerBI Semantic Model, and updating metrics every 5 minutes.

Walmart Sales Analysis and Forecasting [↗](#)

Tech Stack : Python, Jupyter Notebook, Machine Learning

- Gathered the data from sources and imported it into the Python environment of Jupyter Notebook.
- Found and cleaned the outliers hidden in the data.Merged 3 different tables into one consolidated table, implemented Exploratory Data Analysis (EDA) on 420,000 data points, and prepared the data for training Machine Learning models.
- Trained models using Regression, DecisionTree, RandomForest, and SVM algorithms with different parameters, achieving an average accuracy of 85% across all models.
- Compared the accuracy of Regression, DecisionTree, RandomForest, and SVM models, selecting the RandomForest model with an accuracy of 97% as the most effective for the dataset.

Flipkart Mobile Sales Analysis [↗](#)

Tech Stack : Python, BeautifulSoup, Google Looker Studio

- Extracted individual mobile data on Flipkart using web scraping BeautifulSoup with 100% extraction.
- Parsed webscraped data using an HTML parser in a Python environment.
- Cleaned and transformed a dataset using Pandas and Numpy, reducing missing values by 90% and standardizing features for analysis.
- Built a comprehensive dashboard using Google Looker Studio to visualize sales analysis data for various mobile brands, providing insights into revenue, and customer demographics.

CERTIFICATES

Trained in Data Science by Rinex Technologies, 2022 [↗](#)

Certified for course completion in Advanced MSExcel by Udemy, 2023 [↗](#)

Qualified for course completion in Data Analytics with Python by NPTEL,2024 [↗](#)

ACHIEVEMENTS

- Achieved Top Data Analytics Voice badge on the LinkedIn platform.
- Acquired 4-star badge for SQL in HackerRank
- Organised a Hackathon Web Mania 2.0 as a Technical member and assisted over 200+ students in the event.

ORGANIZATIONS

Technical Member [↗](#)

SCOPE Club, MLRIT

Contributed for organising various technical events, mentored students during event.