Nrusimha Vihari Eyunni

812-671-3440 | neyunni@iu.edu | linkedin.com/in/Vihari | github.com/Vihari | Tableau/VihariEyunni

EDUCATION

Indiana University — Bloomington, IN
Master of Data Science — *Jan, 2021 – Dec 2022*

Gandhi Institute of Technology and Management — Hyderabad, Telangana
Bachelors in Electrical and Electronics Engineering — *June, 2013 – May 2017*

EXPERIENCE

Bloomington Assessment and Research — March 2021 – Present
Graduate Research Data Analyst — *Bloomington, Indiana*
- Created data sources, designed dashboards and have worked on Machine learning algorithms like KNN, k-means and recommendation systems which are being used in assessing student performance and resource allocation in various programs. This helped increase the net program tuition revenue by 2.5% and improved student retention by 5%

Capgemini, India — January 2020 – December 2020
Senior Functional Analyst — *Hyderabad, India*
- Worked on Tableau, SQL server in Animal health division to develop Ad-hoc reports.
- Created visualizations comparing Pet Pharmaceutical products sales in America which included sales targets, monthly sales growth, average profit margin, product performance etc. My dashboards helped the BI team analyse and increase efficiency of inventory allocation by 22%.
- Designed interactive dashboards with multiple worksheets such as Sales, Audit and vendor dashboards with bar charts, Dual Axis charts, Text tables, tree maps, heat maps and stacked bars and used Joins, Blend, Dynamic filters, calculated fields and parameters etc

Data Warehouse Developer — *August 2018 - December 2019*
- Worked as a BI/DW Developer for a client in the insurance domain. My role was to develop and design code to migrate large scale data in either Full or incremental refreshes from Oracle, SQL databases, flat files etc. to a Data Warehouse which uses a multidimensional data model.
- Have used Python and R scripts to clean data at the data extraction level. Trained 2 interns and also automated the process of Data cleaning and Data wrangling which decreased the man hours invested by 25% over the Financial year.

Analyst — *January 2018 - August 2018*
- As Datawarehouse developer, I utilised SSIS to integrate data for the client, an insurance based Fortune 500 company. During the tenure, I worked on MSBI stack and also got trained on ETL Devlopement, SQL, PL/SQL and IICS.

PROJECTS

COVID Demand Forecasting with "Eli Lilly" | *Python, Web Scraping ML, DL* January 2021 – February 2021
- Worked on training multiple forecasting models such as RandomForest Regressor, Fb's Prophet, ARIMA and LSTMs to predict the number of cases for 2021 using CDC's daily updated data set in partnership with Eli Lilly and Company

Machine Learning based web Application | *Flask, HTML, CSS, Linear Regression Model, Web Hosting*
- Created a WebApp built on Flask which uses Machine learning Linear Regression model to predict the Probability of a CHD when provided with BP,Cholesterol, BMI,CPD and Patient's Age.

Generating realistic Human Faces using GANs | *CNN,Python,Pytorch,Neural Networks*
- Using Generative Adversarial Networks, worked as a team of 4 to generate realistic looking human faces. Also, Implemented Neural style transfer to apply various styles to the dataset.

TECHNICAL SKILLS

Languages: Python, SQL, R, CSS, HTML, JS
Databases: SQL Server, Oracle and Postgres
Frameworks: Flask
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ
Libraries: pandas, NumPy, Matplotlib, Seaborn, Tensorflow, Pytorch, React.JS