Nrusimha Vihari Eyunni

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Education

Indiana University January 2021 – Dec 2022
Master of Science in Data Science *Bloomington, Indiana*
- Coursework: Data Structures and Algorithms, Big Data Management, Deep Learning Systems, Machine Learning, Statistics

Experience

Bloomington Assessment and Research | *Graduate Research Data Analyst* **March 2021 – Present**
- To developed predictive classification models and recommendation systems to match students and analyze the population's Retention and Graduation.
- Build and maintain tables to store data gathered from multiple sources. Data sources include lookup tables and data gathered from student survey systems.
- Create and manage Tableau dashboards that show key business insights to the Office of the Vice Provost. My efforts so far have yielded an increase of Undergraduate program tuition revenue by 2.5% and improved student retention by 5%.
- Apply knowledge of data modeling and statistical analysis to note trends and draw conclusions and provide reports to various departments.

Capgemini Pvt Ltd | *Multiple Roles* **January 2018 – December 2020**
Senior Data Analyst *Hyderabad, India*
- Worked on Tableau, SQL server in Animal health division to develop Ad-hoc reports.
- Created visualizations comparing Pet's Pharmaceutical products sales in America which included sales targets, monthly sales growth, average profit margin, product performance etc.
- My dashboards helped the BI team analyze and increase efficiency of inventory allocation by 22%.
- Developed statistical data analysis process, design and information flow for product sales.

Data Warehouse Developer & Analyst *Hyderabad, India*
- I had 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 used a multidimensional data model.
- Trained 2 interns and automated the process of Data Ingestion and cleaning pipeline using Python, which decreased the man hours invested over the Financial year by 25%
- Collaborated with multi-functional roles to communicate and align Data Pipeline development efforts.
- Generated reports, maintaining dimensional as well as relational data structures and managing operational data store and data warehouse.

Projects

Data Driven Web App | *Python, Streamlit, HTML, CSS, JS*
- Built Data Driven WebApps using Streamlit. Included Predictive Analysis using ML Regression & Classification.

ML driven Web App | *Machine Learning Algorithms, Python, HTML, CSS, JS*
- Created a Web Application 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.

Co-Op Project | *ML, Deep Learning, Python, R*
- Developed multiple forecasting models to predict the number of cases for 2021 which helped "Eli Lilly and Company"estimate their new treatment doses manufacturing and distribution.

Generative Adversarial Networks | *GANs, NST, Python*
- This project is an effort to solve the problem of "limited data for training" issue. My team and I generated realistic looking faces using GANs and also added an additional feature of Neural Style transfer (NST) to provide uniquely stylized samples to the end user.

Technical Skills

Languages: Python, SQL, R, CSS, HTML, JS, C
Databases: SQL Server, Oracle and MySQL, MongoDB
Frameworks: Flask, Spark, kafka, Apache Airflow, Docker, Amazon Web Services(AWS)
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ
Libraries: Pandas, Shiny, NumPy, Matplotlib, Tensorflow, Pytorch, React.JS, Seaborn, ggplot2, Keras, PySpark
Machine Learning: Classification, Regression, Clustering, Neural Networks, Forecasting, Recommendation systems