

SUMMARY:

- With 3+ years of professional experience in analytics and data science, my expertise lies in data visualization, data modelling ,creating ETL pipelines, building end to end machine learning and deep learning models.
- Experience with **Python ,Tableau ,Alteryx ,Power BI, Excel (VBA),SQL , Sklearn, TensorFlow, Data Bricks** and statistical methods like **t-test, Chi-Squared, A/B Testing** etc.
- Tableau and Alteryx certified professional.

EDUCATION:

CALIFORNIA STATE UNIVERSITY, EAST BAY

Master of Science in Business Analytics | **CGPA : 4.0****DEC- 2022 (Expected)**

SVNIT , INDIA

Bachelors in Electronics and communications Engineering CGPA:6.36

2013 – 2017

WORK EXPERIENCE:**California State University, Graduate Teaching Assistant**

AUG 2021 – Present

- Graduate teaching assistant - Tech fundamentals (BAN601), Data Mining (BAN620) , Time Series Analytics (BAN673)

Useready, Business Intelligence Analyst

SEP 2020- JAN 2021

- Risk Management analysis on the customers to check the eligibility of customer to issue the credit loans based on credit usage history and several other features using Machine learning models.
- Demographic analysis and customer behavior analysis on credit repayment using various tableau dashboards.
- Performance analysis of various customer call centers and their impact on customers credit repayment using tableau dashboards .
- Automated data preparation(ETL) workflows required for analysis using Alteryx and python.

Infosys Limited, Systems Engineer

NOV 2017- SEP 2020

Data Analyst - Business Intelligence Services

- Created various meaningful and KPI's insights using tableau which has facilitated business users to explore Covid-19 impact over Utilities and Energy domain. Implemented energy usage forecast, demographic clusters to gain more insights and foreseeing the energy consumptions for various regions in UK.
- Demographic analysis of user density and Energy consumption to implement marketing and campaign strategies to increase the customer base. Responsible for finetuning and deploying tableau dashboards to tableau servers and scheduling the dashboards.
- Responsible for loading, extracting and validation of Terabytes of data to Datawarehouse on daily basis and creating ETL jobs to stage and load the data .
- Designed and deployed robust machines on Azure cloud for Qlik sense and N- printing servers which are used by large user base for creating visualizations on daily basis. Automated the delivery of reports to users using N-printing services which helped business to save a significant amount on license purchase.

Data Analyst - Data and Visualization Platform Support

- Developed Tableau dashboards and KPI's which are presented to various stake holders to provide insights.
- Automated refresh extracts of data sources in Tableau server and delivering business reports to clients using TABCMD.
- Deciding correct data structure and wrangling data using SQL(MySQL) based on dashboard requirement. Writing complex SQL queries to query data required for analysis .
- Experienced with cross database connections on Tableau, Tableau Server, Tableau online.

PROJECTS:• **Face Mask Detection – Tensor Flow, CNN & Google MediaPipe** [Github](#)

- Trained Convolutional Neural Network using **transfer learning(MobileNetV2)** to detect faces with masks. The input to neural network is fed through webcam/external camera which creates bounding boxes for faces and labels them with Mask-On or Mask-Off.

• **Real Estate Analysis – California Bay Area** [Github](#) | [WebApp](#)

- **Scrapped** 2.5k rows of housing data from Zillow with 30 features and performed data cleansing, EDA and built a machine learning model(**XGBoost**) to predict house prices. Deployed model using GitHub and Heroku to make prediction with custom data.

NELAPATI VISHNU VARDHAN

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- **Retail Sales – Time Series Forecasting** [Github](#)
 - Various Time series models like **ARIMA**, **Smoothing and regression models** are implemented to predict retail sales for future periods.
- **Designed A/B testing** to understand if the new web page design should be implemented or not by supporting the test results with statistical inferences.
- Worked on many other projects like Text Generation using LSTM, Image classification using CNN, Movie Recommender System, Telecom Churn Rate(P propensity model), Customer Segmentation on RFM (Clustering / LTV) etc.

SKILLS:

- **Python**, R, Java, NumPy, Pandas, Matplotlib, Plotly, sci-kit learn, TensorFlow, Keras, Machine Learning, Deep Learning, Recommender Systems, Time Series Analysis, Streamlit, Hadoop, Hive, Pig, PySpark
- **BI Tools** – Tableau, Alteryx, Talend, Tableau Prep, Power BI, Excel (VBA), Qlik Sense
- **Databases** – Oracle, SQL Server, MySQL
- **Cloud** - Azure Cloud, AWS (S3, EMR, Athena, Redshift, SageMaker), Snowflake, Data Bricks

CERTIFICATIONS:

- [Tableau Certified Associate Consultant](#) issued by TABLEAU
- [Alteryx Designer Core](#) by ALTERYX
- [Snowflake Datawarehouse](#) Essentials