LIKESH KRISHNA KARANAM MURALIDHAR

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EDUCATION

Master of Professional Studies: Data Science and Applications, *University at Buffalo, The State University of New York*, *June 2023 – Current GPA 4*
Bachelor of Technology: Information Technology, *SSN College of Engineering*, *India*, *June 2018*

SKILLS & TOOLS

Languages: Python, R, JavaScript
Data Management & Analytics: NoSQL (MongoDB), Amazon redshift, PostgreSQL, Apache Hbase
Web Development: CSS, SCSS, JavaScript, Django, React, ExpressJS
Tools: Jupyter, Visual Studio, Tableau, Google Colab, R Studio

DATA SCIENCE PROJECTS

Employee Attrition Rate Analysis: Python, Pytorch, Jupyter and Google Colab
- Performed Exploratory data analysis using matplotlib and Seaborn libraries and employed a logistic regression and random forest classifiers model for analyzing attrition rate of employees by performing various experiments to tune parameters and optimize model.

Market Segmentation and Targeted marketing: Python, Pytorch, Jupyter and Google Colab
- Performed Exploratory data analysis using distplot, histogram and KDE and employed a K means clustering algorithm.
- Executed dimensionality reduction using Auto encoders and Principal component analysis.

Product Sale Prediction using Time Series Forecasting: Python, Pytorch, Jupyter and Google Colab
- Applied Facebook Prophet time series forecasting to fit non-linear trends and predicted sales of a real-world dataset with seasonal effects.

Covid and Pneumonia Detection using Deep Learning: Python, Pytorch, Jupyter and Google Colab
- Implemented image classification by convolutional neural networks and residual networks using activation functions such as Sigmoid and Rectified Linear Units (ReLU).

Analysis of WHO and World bank Data: R, Tableau
- Cleaned, manipulated, created data stories and applied machine learning algorithms to classify and visualize results in a Tableau dashboard.

WORK EXPERIENCE

Deputy Manager, Ashok Leyland Ltd., Chennai, India: *July 2019 - August 2021*
- Developed a deep learning RES-NET image classifier model and U-NET segmentation model to check defects at pixel level in manufacturing line.
- Boosted customer retention by managing 5+ clients on 10+ big data projects.
- Spearheaded development, project management and end-to-end functional testing of a crucial project developed in React, Django, PostgreSQL and AWS handling 1000+ API transactions per day.
- Fostered 5 websites having more than 20,000 active daily users.

Graduate Engineer Trainee, Ashok Leyland Ltd., Chennai, India: *July 2018 - June 2019*
- Trained in Data Mining, Tableau dashboard development, API and UI Development.
- Trained in Project, People management and problem solving by root-cause analysis.

AWARDS & INVOLVEMENT

- Achieved gold medal in a regatta organized by Buffalo Scholastic Rowing Association as an Athlete of University at Buffalo rowing club.
- Awarded second prize in Business Technology Contest organized by Entrepreneurship club in college during Undergrad.
- Championed a 4-member team on developing an e-commerce website Untitled Arts using React, ExpressJS, MongoDB and Heroku to reduce gap between craft artists and customers during pandemic.
- Constructed a multiple linear regression model to closely monitor attention levels of students by analyzing the brain signals as a part of my internal funding project during Undergrad.
- Coached a team of ten senior citizens on Yoga during pandemic by customizing the practice based on their health conditions.