BHAVARAJU ANURAAG

in bhavaraju-anuraag | ✉ bhavarajuanuraag@yahoo.com | 📱 99.94.370.730

SUMMARY

Process oriented ML Engineering Consultant and an applied ML researcher with 5 years of experience in furnishing insights, providing analytical solutions and business intelligence to guide impactful data driven decisions specialized in Supply Chain, HR and Finance.

WORK EXPERIENCE

ML Engineering Consultant — *Tredence Inc.: Jun 2022 - present*

- Currently developing large-scale Causal Inference models to capture the significant differences in outcomes across the test and control groups, which occur between pre-treatment and post-treatment periods of a marketing campaign
- Developed an anomaly detection model using Isolation Forest algorithm to identify and treat anomalies at the store and customer level in calculating key KPIs with improved results using a bi-dimensional approach
- Developed a matching algorithm to identify test and control stores for marketing launching marketing campaigns for a leading retail clothing brand
- Worked with one of the world's largest consumer goods producers to maintain and improve their products' On Store Availability across multiple countries and markets.

Business Analyst — *Tredence Inc.: Mar 2021 - Jun 2022*

- Provided end-to-end insights on procurement, inventory management, sales using advance analytics; forecast demand and sales etc. for Sysco Foods, the world's largest broadline food distributor.
- Used predictive analytics to understand vendors payment patterns and flag/predict potential defaulters
- Created automated Tableau dashboards that deliver insights about employees performance, employees development and other workforce demographics across 10+ counties for Sysco Foods.

Project Engineer — *Wipro Technologies: Aug 2018 - Feb 2021*

- Developed and maintained a robust automation suite covering complex calculations, workflows

PUBLICATIONS & RESEARCH PROJECTS

Talk to your data: Enhancing Business Intelligence and Inventory Management with LLM-Driven Semantic Parsing and Text-to-SQL for Database Querying
International Conference on Data Analytics for Business and Industry, October 2023

Towards Accurate Chest X-ray Disease Detection: A Comparative Study of CNN architectures and Image Transformation Approaches, with Emphasis on CLAHE - *In Review*

Using Image-to-Image Translation to Combat Canvas Fingerprinting Threats -
In Progress with Prof. Phani Vadrevu, Louisiana State University

Academic Projects

Using multiple facets of Health, Engagement etc. to estimate Occupational Burnout   Link

Won 'Best Capstone Award' working with Peak Health Technologies, a health-care startup to utilize vocal bio-markers, textual feedback data to cluster employees and map them onto different axes to estimate occupational burnout

Spectogram and Wavelet Analysis for Music Genre Prediction

Wavelets, Spectrograms, etc. are generated and analyzed for different audio files, and a convolution neural network model is trained to learn and predict the genre of music for a given audio file

Stock Value Forecasting using Sentiment Analysis

A recurring neural network architecture was used to predict stock values and sentiment analysis is performed on news articles data collected from different sources to improvise the results.

Education

Advanced Management Programme in Business Analytics at **Indian School of Business**

Bachelor's of Technology in Electronics and Communication at **VIT University, Vellore** (7.4/10.0)

Board of Intermediate, Andhra Pradesh (94.7/100)

Indian Secondary Certificate Examination (90.7/100)

Skills

Analytics	Python, SQL, R, PySpark, PowerBI, Tableau
Machine Learning	Scikit-learn, Keras, PyTorch, OpenCV
Cloud Technologies	Google Cloud Platform, Microsoft Azure
Industry Domains	Retail, Supply Chain, HR, Health-Care
Research Domains	Health-Care, Business Intelligence, Cyber-Security

Organizations

– Organizer and Advisor at TEDxVITVellore

– Ed-Support Teacher and Mentor at Make-A-Difference

– Competent Communication, Competent Leader and Advanced Leadership Bronze at Toastmasters International