

PRAKWAN MANEM

Los Angeles, California | 4243714175 / prakwan.manem.2024@anderson.ucla.edu

[LinkedIn](#) | [GitHub](#)

DATA SCIENTIST

MS Business Analytics candidate at UCLA Anderson with experience in Data Preprocessing, Data Mining, and ML models including Linear Regression, and Naïve Bayes. Developed data-backed strategies that increased revenue of two startups by ~\$100K.

EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT

Los Angeles, CA

Master of Science in Business Analytics (MSBA – F1 STEM OPT)

Expected, Dec 2024

- Data Management, Customer Analytics, Competitive Analytics, Prescriptive Models, SQL, ML for Decision Making, Optimization, Business Fundamentals for Analytics

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Kharagpur, India

Bachelor of Technology in Mechanical Engineering

May 2021

- Cumulative GPA: 8.13/10. Applied Mathematics, Probability and Statistics, Operations Research, Data Structures, C
- Conference Paper: Simulated flow rates of refrigerant in a new hybrid vapor compression system at various conditions using Engineering Equation Solver. Co-authored and presented a conference paper using PowerPoint and **MATLAB**, proposing an improved efficiency of 8% in the new hybrid system over traditional system, at NCRAC in February 2022.

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Sklearn, Seaborn, Matplotlib), R (dplyr, ggplot2), SQL

Software: Jupyter, Power BI, MATLAB, MS Office (Excel and PowerPoint)

ML Models: Linear Regression, Naive Bayes, NLP, Computer Vision, Machine Learning A to Z certification (Udemy)

PROFESSIONAL EXPERIENCE

SWASTHYA.AI

Pune, India

Data Analytics Intern

June 2022 – October 2022

- Preprocessed handwritten doctor's notes of over 2K cancer patients (84K entries) and extracted symptoms, diagnosis, and treatment plans using **Python**. Extracted PHI information (entity extraction) using pre-trained BERT model.
- Associated symptoms with regimen and treatment plans and developed **R** custom visuals (scatter plots) of patient journeys using **Power BI** and MS Excel, increasing average number of patients treated in a day by 20%
- Recommended strategies and designed presentations for pitch meetings, helping acquire 2 major cancer hospitals as clients.

BLINKIT

Gurgaon, India

Inventory Management Intern

January 2022 – April 2022

- Analyzed availability and purchasing patterns across different regions in India using **SQL** and MS Excel. Planned transfer of goods between 25 dark stores, reducing dump by 15% and maintaining a minimum availability of 85%.
- Built a **linear regression** model using **Python** to predict demand for certain items during various holidays. Used purchasing trends of previous years to validate the model with an accuracy of 76%.
- Pitched a data-driven strategy to Head of Inventory to boost sales during holidays by 5%.

DATA SCIENCE PROJECTS

Object Detection – Detection of Rice Grains using Yolov7 (Computer Vision)

Nov 2022

- Annotated over 2K rice grains into two classes (full/broken) using labeling. Trained **yolov7** object detection pre-trained model on custom dataset achieving accuracy of 88% on validation set. Detected the number of broken and full rice grains on test dataset.
- Presented different stages of model building using PowerPoint presentation and MS Excel.

Sentiment Analysis of Tweets (NLP)

May 2022

- Performed exploratory data analysis and data cleaning on a set of tweets in different languages on leukemia for language detection.
- Created custom **multinomial naïve bayes** model to detect language from given dataset of tweets achieving accuracy of 94%.
- Classified sentiment of tweets into positive, negative, or neutral, using BERT model and a rules-based model (VADER).

LEADERSHIP AND ACHIEVEMENTS

- Led team of 10 students as a General Secretary at Mekanika IIT Kharagpur to organize alumni meetings, career talks, etc.
- Secured all India rank of 3202 in JEE Mains 2017 (entrance exam for engineering courses) among 1,000,000+ candidates.