Suhaan Yagati Mat

📞 +1 813-648-7135 ✉ suhaanym1601@gmail.com 🔗 linkedin.com/suhaan ⭘ gh/suhaan 📍 Tampa, FL

Education

University of South Florida	Aug 2022 – May 2024
Master of Science in Computer Science	*Tampa, FL*
Dayananda Sagar College of Engineering	Aug 2018 – July 2022
Bachelor of Engineering in Computer Science & Engineering	*Bengaluru, India*

Experience

Info Data Worx — Jan 2024 – May 2024
Software Engineer Intern — *McKinney, TX*

- Developed a churn prediction model using **logistic regression and random forest**, reducing customer churn by 20% and retaining **$3M in annual revenue**.
- Collaborated with cross-functional stakeholders, product, and engineering to **hypothesize and conduct A/B testing** for website features using SQL , Python, which increased user engagement by 25% and conversion rates by 15%.
- Performed **deep-dive analysis** on customer usage patterns with SQL and Pandas, identifying key trends that led to a **10%** improvement in product retention.

Mobiezy — May 2022 – July 2022
Data Scientist Intern — *Bengaluru, India*

- Developed a machine learning model to predict mobile phone price ranges, achieving **85%** accuracy using **Random Forest and XGBoost algorithms**.
- Improved data pipeline efficiency by **25%** through optimization of data ingestion processes, ensuring faster updates to reports and dashboards.
- Conducted **A/B testing** and customer segmentation analysis, resulting in a **30% boost** in personalized marketing campaign effectiveness.

Projects

Netflix Films and TV Shows Clustering | ⭘ — Jan 2024 – May 2024

- Developed an **unsupervised ML model** aimed at performing clustering on a comparable dataset by matching text-based attributes.
- Designed and implemented a **machine learning** system that predicts hardware malfunction with more than **80% accuracy**.
- Implemented clustering algorithms on the dataset's more than **7,700 records** of Netflix movies and TV shows.

Mobile Price Range Prediction | ⭘ — Aug 2023 – Dec 2023

- Developed a predictive model capable of estimating the price range of mobile phones based on various features and specifications.
- **Inspected data, cleaned and used heatmap** for finding the correlations, feature engineering to prepare usable data.
- Plotted confusion matrix and used metrics like **Precision , recall , f1-score** to evaluate models, Logistic Regression achieved the **highest accuracy of 90%**, indicating that it correctly predicted the class labels.

Technical Skills

Programming Languages: Python, SQL, Spark, JavaScript, MySQL, Azure Data Lake, HTML, CSS
Statistics & Machine Learning: Hypothesis Testing, A/B Testing, Keras, Pytorch, Tensorflow, Distributions, Regression, Mathematics, Clustering (K-Means), PCA, Scikit-Learn, XGBoost, Random Forest, Decision Trees
Functional Expertise: Metrics Definition & Tracking, A/B Testing & Design, Stakeholder Communication.
Data Manipulation & Visualization: Power BI, Microsoft Excel,Pandas, NumPy, Matplotlib, Seaborn, Tableau, Looker.
Tools & Cloud Platforms: BigQuery, Azure, Jupyter Notebooks, DataBricks, Git, AWS, Google Cloud Platform.

Certifications

- IBM Data Science Professional Certificate
- From Data to Insights with Google Cloud Specialization
- IBM Introduction to Data Science Specialization
- Google Data Analytics Professional Certificate