YASHWANTH ANIRUDH ETTIKALA
+1 (860)-461-4847 | yashwanth.anirudh@gmail.com | LinkedIn | Portfolio Website

EDUCATION

- **University of Connecticut** — **Hartford, CT, United States**
  Master of Science in Business Analytics and Project Management — Aug 2023 – May 2025
- **CVR College of Engineering** — **Hyderabad, India**
  Bachelor of Engineering – Electronics and Communication Engineering — Aug 2017 – Jul 2021

SKILLS

- **Programming Languages:** SQL Server, Oracle SQL, Oracle DB, Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), R, HTML
- **Tools:** Tableau, JIRA, JMP, Lucid Charts, SAS Studio, Oracle, Jupyter, PyCharm, MS Project, MS PowerPoint, Advanced MS Excel, MS Office 365, Visio, Power BI, MS Word, MS Outlook
- **Technical Skills:** Exploratory Data Analysis (EDA), Time Series Forecasting, Process Mapping, KPI Dashboards, Agile, Scrum, Business Process Modeling, Statistical Modeling, Data Mining, Data Cleaning, Data Preprocessing, Data Visualization, Neural Network, Hypothesis Testing, Data Modeling, Linear and Logistic Regression, Project Management, ETL (Extract, Transform, Load)

WORK EXPERIENCE

Data Analyst | Temenos — **Hyderabad, India**
Dec 2021– Jul 2023

- Implemented a highly efficient process leveraging SQL Server and Oracle SQL for verifying and validating transaction details to identify and prevent fraudulent activities.
- Utilized JIRA for efficient project management and collaborated with global clients to understand needs, leveraging MS Excel and PowerPoint to effectively communicate complex risk data and analysis.
- Conducted comprehensive data analysis to identify patterns in financial transactions, prepared dashboards and reports using risk transaction matrices for country-specific risk ratings, and resolved escalations to ensure client satisfaction.
- Leveraged Advanced Excel (pivot tables, VLOOKUP, SUMIFS) to analyze customer data, leading to 30% higher customer engagement and conversion rates.

ACADEMIC PROJECTS

Capstone Project: Development of Cryptocurrency Trading Strategies and LLM-Powered Chatbots for Trading-Related Customer Support

- **Cryptocurrency Trading Signals**: Developed predictive trading models using Python to generate real-time cryptocurrency trading signals focusing on optimizing risk-adjusted returns through technical analysis indicators like SMA and RSI and achieving a 16% improvement in trading efficiency.
- **Advanced Chatbot Systems**: Spearheaded the development of an intelligent chatbot using open-source large language models (LLMs) such as Llama, Gemma, and Mistral. Integrated Retrieval-Augmented Generation (RAG) to enhance the chatbot's accuracy and context-aware responses based on real-time data retrieval, significantly improving customer support in cryptocurrency trading.

Identify and Address Problematic Internet Usage| Python, Machine learning

- The project aimed to leverage machine learning to analyze children's physical activity and fitness data to identify early signs of problematic internet use and to provide actionable insights for promoting healthier digital habits.
- Utilized TS Fresh for feature selection, feature engineering, and data cleaning to prepare datasets for machine learning models, with Logistic Regression(best model) achieving a delta of 0.04, 70% train accuracy, and 66% test accuracy.

Development of Database for Employment Payroll | SQL

- Initiated the creation of a comprehensive Physical Entity-Relationship Diagram (ERD) and Data Dictionary, as well as the establishment of an efficient database system in DBeaver.
- The project improved practical skills in handling data by showcasing a deep understanding of database design principles, creating schemas, and establishing efficient data connections.

Crime Trends Analysis and Visualization in Chicago | Tableau

- Analyzed and visualized Chicago's crime data, identifying that Ward 3 reported the highest instances of criminal sexual assault, comprising 47% of reported cases, which guided targeted safety measures by law enforcement.
- Created comprehensive dashboards to condense intricate crime data, saving policymakers 35% of the time they would have to spend manually reporting crimes while enhancing clarity and actionable insights into crime patterns.

StatForecasting.com Daily Visitors | SAS Studio, Python, Excel

- Spearheaded the development and implementation of a SARIMA-based time series forecasting model to predict daily website visitors, achieving an accuracy of 92.34%, with a low AIC of 3524.215 and SBC of 3570.404.
- Conducted extensive model comparisons, including ARMA and ARIMA, selecting SARIMA for its superior accuracy and ability to effectively capture seasonality in web traffic.