

YASHWANTH ANIRUDH ETTIKALA

+1 (860)-461-4847 | yashwanth.anirudh@gmail.com | [LinkedIn](#) | [Portfolio Website](#) | [GitHub](#)

EDUCATION

University of Connecticut	Hartford, CT, United States
• Master of Science in Business Analytics and Project Management (3.6/4)	Aug 2023 – May 2025
CVR College of Engineering	Hyderabad, India
• Bachelor of Engineering – Electronics and Communication Engineering (3.75/4)	Aug 2017 – Jul 2021

SKILLS

- **Programming Languages:** SQL, Python, R, HTML, CSS, JavaScript
- **Tools:** Tableau, Power BI, JIRA, SAS Studio, Oracle, Jupyter, Advanced MS Excel, MS Word, Postman, Git, VS Code
- **Frameworks/Libraries/Technologies:** Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, PySpark, Hadoop, AWS, Azure, GCP
- **Machine Learning:** Linear and Logistic Regression, Decision Tree, Random Forest, XGBoost, Neural Network
- **Other Skills:** Exploratory Data Analysis (EDA), Time Series Forecasting, Statistical Modeling, Data Visualization, Hypothesis Testing, Data Modeling, ETL (Extract, Transform, Load), Agile, Scrum, Business Process Modeling

PROFESSIONAL EXPERIENCE

- Gen AI Engineer | Ananda | Hartford, CT** [\[Link\]](#) **Aug 2024 – Dec 2024**
- Automated decision-making for trading platforms with an LLM-powered chatbot using models like Llama, Gemma, and Mistral, improving real-time accuracy.
 - Integrated Retrieval-Augmented Generation (RAG) to enhance chatbot accuracy, increasing user engagement metrics by 25%.
 - Evaluated chatbot performance using BLEU, ROUGE, BERT scores, and Cosine similarity, validating through T-tests.
 - Analyzed LLM model cost-effectiveness, identifying Mistral RAG as the optimal balance of performance and cost-efficiency.
- Data Analyst | Temenos | India** **Aug 2020 – Jul 2023**
- Streamlined SQL Server workflows to validate transactions, reducing fraud and improving data integrity by 40% across 10,000+ transactions.
 - Automated reporting with Advanced Excel (pivot tables, XLOOKUP, SUMIFS), reducing manual processing time by 30%.
 - Designed Tableau dashboards, reports, and data tables to monitor risk ratings for 50+ countries, enabling targeted interventions.
 - Cleaned and analyzed data with Python, assigning risk scores quarterly and improving predictive accuracy by 15%.
 - Managed risk mitigation projects using JIRA and Agile, ensuring timely updates and seamless global collaboration.
- Data Analyst Intern | Temenos | India** **May 2020 – Aug 2020**
- Wrote complex SQL joins to integrate data from three sources (customer, accounts, and transactions), improving reporting efficiency.
 - Conducted data analysis on financial transactions using Python, identifying trends and patterns to inform strategic decisions.

ACADEMIC PROJECTS

- Crime Trends Analysis and Visualization in Chicago | Tableau** [\[Link\]](#)
- Analyzed and visualized the Chicago crime data, uncovering that Ward 3 accounted for 47% of reported criminal sexual assault cases, enabling law enforcement to implement targeted safety measures.
 - Simplified complex crime data using interactive dashboards, cutting policymakers' reporting time by 35% and improving insights.
- House Prices Prediction | Python, Machine learning** [\[Link\]](#)
- Developed a Linear Regression model to predict real estate prices in Bangalore, achieving 84% accuracy by analyzing features such as area, number of bedrooms, and bathrooms.
 - Improved model performance using Feature Engineering, K-Fold Cross Validation, and GridSearchCV, achieving over 80% validation accuracy.
- Email Spam Detection | Python, Machine learning** [\[Link\]](#)
- Built a Multinomial Naive Bayes model to classify emails as spam or non-spam, achieving 98% accuracy on the test data by analyzing email content through text vectorization with CountVectorizer.
 - Optimized model performance by splitting the dataset into training and testing subsets and compared performance with other classifiers, with Naive Bayes outperforming Random Forest and SVM by over 10% in classification accuracy.
- StatForecasting.com Daily Visitors | SAS Studio, Python, Excel**
- Implemented a SARIMA-based time series forecasting model in SAS Studio and Python to predict daily website visitors, achieving 92.34% accuracy and reducing AIC to 3524.215.
 - Conducted comprehensive evaluations of forecasting models, including ARMA and ARIMA, to identify SARIMA as the optimal approach for capturing seasonal trends, significantly improving prediction reliability.

CERTIFICATIONS

- **Microsoft Certified:** Azure Data Scientist Associate [\[Link\]](#)
- **Accenture North America:** Data Analytics and Visualization Job Simulation [\[Link\]](#)