YASHWANTH ANIRUDH ETTIKALA

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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

Business Analyst Intern | 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]