Yashas Bhaskar Manjunatha

AI Intern – YCX Technologies
LinkedIn: www.linkedin.com/in/yashasmanjunatha
GitHub: www.github.com/YashasManjunath7

Email: yashasmanjunatha01@gmail.com
Phone: +91 6364698545

Education:

2023 - 2025	University of Greenwich, London, United Kingdom Master of Science, Specs. Data Science	Merit
2018 - 2022	Global Academy of Technology, Bengaluru, India Bachelor of Engg., Specs. Electronics and Communication	8/10

Work Experience:

AI Intern at YCX Technologies *Feb 2025 - Present*

- Spearheaded the development of a dynamic database profiling video game companies across 24 key metrics, driving insights for market research and gaming trends.
- Curated data on company details, tech stacks, AI innovations, and patents sourced from websites, financials, and industry records.
- Structured data for Google Sheets, ensuring accuracy and scalability for strategic analysis.

Machine Learning Intern at Vivarattna Technologies *July 2022 - Sept 2024*

- Developed and implemented Python-based machine learning algorithms, increasing model accuracy by 15%.
- Applied statistical techniques and supervised learning models to optimize operational processes, enhancing efficiencies by 20%.
- Collaborated with cross-functional teams to fine-tune models, ensuring alignment with business objectives and delivering actionable insights.

Skills:

- Programming: Python, R, SQL
- Machine Learning: Supervised/Unsupervised Learning, Time Series Forecasting, Neural Networks (LSTM, CNN)
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI
- Statistical Modelling: Regression, Hypothesis Testing, Probability Theory
- Data Preprocessing: Feature Engineering, Data Cleaning, Data Wrangling
- Tools & Platforms: Jupyter Notebooks, Git, Scikit-learn, TensorFlow, Keras
- Soft Skills: Problem Solving, Attention to Detail, Time Management

Key Projects:

Advanced Stock Price Prediction with Hybrid Models

- Engineered an advanced LSTM-CNN-GRU model for accurate Apple stock price forecasting, integrating LSTM for sequence processing, CNN for feature extraction, and GRU for sequential learning, using Python and TensorFlow.
- Achieved high predictive accuracy by optimizing hyperparameters via Keras Tuner's Random Search, preprocessing data with scaling and moving averages, and evaluating performance across multiple test periods using MSE, MAE, and R^2 metrics, with results visualized in comparative plots and summarized in a comprehensive table.

Steam Game Analytics and Recommendation Platform

- Designed a Dash-based web application for analyzing Steam game data, providing insights on ratings, pricing trends, and recommendations using Python, Pandas, Scikit-learn, and Plotly.
- Implemented a cosine similarity-based recommendation engine and high-accuracy Random Forest models for success prediction, tag classification, and dynamic pricing, leveraging robust data preprocessing and TF-IDF vectorization.

Anomaly Detection Using Autoencoder

- Developed a TensorFlow-based autoencoder model to detect anomalies in temperature sensor data, utilizing a neural network with encoding and decoding layers to reconstruct input data and identify outliers based on reconstruction error.
- Achieved perfect precision, recall, and F1 score (1.0) by setting a 99th percentile threshold for anomaly scores, validated through sklearn metrics, and visualized results with matplotlib to highlight anomalous data points in red against time-series data.