Agisam Ranjithkumar

agisamranjithkumar@gmail.com +91-7660844147
linkedin.com/in/agisam-ranjithkumar-a50284226 github.com/Tony-Ranjith
Address: Electronic City, Bangalore, 560100

Professional Summary

Motivated and enthusiastic graduate with knowledge in Machine Learning, Data Science, and Python. Strong problem-solving, communication, and teamwork skills. Seeking an opportunity to apply technical expertise and contribute to the success of a dynamic organization while continuously learning and growing professionally.

Education

Master of Computer Applications (MCA) *2022 – 2024*
T. John College, Bangalore.
CGPA: 8.07

Bachelor of Science in Computers (B.Sc) *2019 – 2022*
MCV Degree College, Punganur
CGPA: 8.0

Technical Skills

- **Programming Languages:** Python, SQL, Java
- **Machine Learning:** Supervised and unsupervised learning, ensemble methods, regression, classification, and model tuning
- **Deep Learning:** CNN, RNN, LSTM, TensorFlow
- **NLP:** Text preprocessing, sentiment analysis, basic language modeling (NLTK, spaCy)
- **Data Analysis and Visualization:** Pandas, NumPy, Matplotlib, and Seaborn
- **Web Development:** HTML, CSS
- **Version Control and Development Tools:** Git, Jupyter Notebooks, Google Colab

Projects

Smart Surveillance System *Python, OpenCV, YOLO*
Designed and implemented an AI-powered surveillance system for real-time object detection and alerting. Utilized YOLO models (v4) and OpenCV to process video feeds, optimizing the system to handle 30 FPS for smooth detection. Integrated mechanisms to detect and report suspicious activities, enhancing surveillance accuracy by 25%.

Stock Price Prediction *Python, Data Science Libraries*
Built a stock price prediction model using historical data sourced from Yahoo Finance. Applied feature engineering and hyperparameter tuning to achieve an accuracy of 85%, optimizing it for time-series forecasting.

Disease Prediction System *Python, Scikit-learn, Flask*
Built a system to predict diseases based on user-selected symptoms. Used machine learning models (Random Forest, Decision Trees) for classification and Flask for user interaction. Provided disease predictions and suggested precautions to improve health.

Certifications

- **Data Science with AI/ML** *NUAGE COMPUSYS TECHNOLOGIES PVT.LTD (NUCOT)*
- **Python for AI** *Hope Foundation, Bangalore*
- **Machine Learning Certificate** *Kaggle*