Chitta Karthikeya Kashyap

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linkedin — github — Portfolio website

Professional Summary

Results-driven Data Scientist with expertise in Machine Learning, Data Analytics, and Predictive Modelling. Skilled in data wrangling, statistical analysis, and feature engineering. Proficient in Python, SQL, and R; experienced in EDA, NLP, and deploying cloud-based models to solve real-world problems.

Education

Master of Science in Computer Science (GPA: 3.5)
Wright State University, Dayton, OH (2024 – Present)
Bachelor of Technology in Computer Science (Data Science Specialization) (GPA: 3.25)
Vellore Institute of Technology, Vellore, India

Skills

Languages: Python, SQL, R
Libraries & Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow, PyTorch, OpenCV, NLTK, spaCy, XGBoost, LightGBM, Keras, Plotly
ML & Analytics: EDA, NLP, Supervised/Unsupervised Learning, Deep Learning, Transfer Learning, Time Series Forecasting, Predictive Modelling, Feature Engineering, Hyperparameter Tuning, Statistical Inference
Databases & Data Engineering: IBM Db2, MySQL, PostgreSQL, SQL Querying, ETL, MongoDB
Tools & Platforms: Jupyter, Google Colab, GitHub, Excel, Tableau, Power BI, IBM Watson Studio
Cloud & Deployment: AWS (S3, EC2, SageMaker), IBM Cloud, Model Deployment, Streamlit, Flask

Technical Experience

Technical Consultant, Edureka Dec 2023 – Jun 2024
Developed and maintained CI/CD pipelines to automate application deployments. Managed system administration tasks such as configuration changes, monitoring, and issue resolution. Created technical documentation and delivered presentations on Git workflows and DevOps methodologies.

Projects

Melanoma Detection Using SVM and CNN: Developed an image analysis tool for early melanoma detection using a hybrid SVM-CNN model. Preprocessed dermoscopic images via grayscale conversion, noise filtering, and GLCM-based texture extraction. Optimized models with grid search and evaluated accuracy and sensitivity for clinical relevance.

Online Medical Consultation App: Built a real-time telemedicine app for elderly patients using Python, SQL, and Agora. Integrated video consultations, vitals monitoring, and secure cloud storage. Visualized health trends with Matplotlib and Seaborn to assist doctors in decision-making.

Predicting Falcon 9 Rocket Landings: Created a logistic regression model to forecast Falcon 9 first-stage landings. Conducted EDA using Pandas and Seaborn. Trained and validated models with Scikit-learn, achieving high ROC-AUC scores in test scenarios.

Certifications

- IBM Data Science Professional Certificate — View Credential
- IBM Artificial Intelligence Analyst — View Credential