Kushal KV

Bengaluru, Karnataka

+91-8123367656 — kushalkv2004@gmail.com — Portfolio — GitHub — LinkedIn

Education

BMS College of Engineering, Bengaluru
Bachelor of Engineering in Computer Science (Data Science)
Expected Graduation: 2027   **CGPA: 9.27**

Technical Skills

Languages:	Python, Java, SQL, C
ML & Data Libraries:	Pandas, NumPy, scikit-learn, LightGBM
ML Techniques:	Feature Engineering, Time-Series Analysis
Backend & Systems:	FastAPI, Flask, REST APIs, Docker
Tools:	Git, Jupyter Notebook, Power BI, Tableau

Projects

Formula 1 Race Predictor — Data Pipeline and Prediction System   GitHub — Live
FastAPI, LightGBM, Docker

– Predicts Formula 1 race outcomes using historical telemetry and live weather data.

– Built an end-to-end backend ingesting multi-season lap-level telemetry and real-time weather signals.

– Designed time-aware feature pipelines with fallback logic for missing or delayed external inputs.

– Deployed containerized prediction services achieving ~2.5 position MAE in race outcome forecasting.

DetectAI — Machine Learning Inference Service   GitHub — APK
Flask, Transformers, Android

– Provides low-latency APIs for detecting AI-generated text and images.

– Built a unified inference backend serving text and image detection models through schema-validated APIs.

– Implemented failure-safe client–server communication to ensure consistent responses in production.

ScamShield — Risk Scoring Decision System   GitHub
Python, Langflow, Rule-Based Systems

– Scores job scam risk using a hybrid of heuristic rules and LLM-based analysis.

– Developed a decision pipeline combining rule-based checks, domain validation, and LLM reasoning.

– Designed dynamic confidence weighting based on severity and agreement across multiple detection signals.

Leadership & Extracurricular

President, DSync Club — BMSCE   Oct 2023 – Present

– Led technical initiatives and peer-learning sessions focused on applied data science and machine learning.

– Coordinated workshops and events requiring planning, execution, and cross-team collaboration.