# Kushal KV

Bengaluru, Karnataka

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## Education

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

## Technical Skills

**Languages:** Python, Java, C, SQL
**ML & Data:** Pandas, NumPy, scikit-learn, LightGBM, Time-Series Analysis, Feature Engineering
**Backend:** 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.