Akash Anupkumar

Machine Learning / GenAI Engineer

"AI specialist with 3.5 years' experience applying Gen AI, RAG, ML/ DL and Advance Analytics to deliver 20+ solutions that accelerated workflows by 40% and improved insights accuracy by 35%. Expert in deploying modern AI tools to maximize efficiency and innovation."

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WORK EXPERIENCE

ML Engineer - Freelancer
EURES & UPWORK

02/2024 - Present   *Europe*

Achievements/Tasks
- Delivered 20+ global projects in advanced data analysis, ML/DL, GenAI, and LLM-powered automation, driving up to 45% efficiency gains for clients.

Data Scientist
Siemens Technologies Pvt. Ltd.

11/2022 - 11/2023   *Bangalore*

Achievements/Tasks
- Developed ML/DL models and automated pipelines, boosting forecast accuracy by 18%. Leveraged SQL, Snowflake, and visualization tools for AI-driven business recommendations.

Associate Data Analyst
Inductus Internet Ventures Pvt. Ltd.

10/2021 - 10/2022   *Delhi*

Achievements/Tasks
- Automated reporting pipelines and dashboards using SQL, Excel, Power BI, reducing manual effort by 25%.

ACADEMIC CERTIFICATES

Python Programming Certification| | ABC Technologies, Bangalore (2019)

AI for Everyone| | Coursera / deeplearning.ai (2024)

Machine Learning by Stanford| | Coursera / deeplearning.ai (2021)

Deep Learning Specialization| | Coursera / deeplearning.ai (2022)

New ML Specialization| | Coursera / deeplearning.ai (2023)

Large Language Models on AWS| | Coursera / deeplearning.ai (2023)

30+ AI/ML , data realted certificates (2023 - 2024)

EDUCATION - B.E

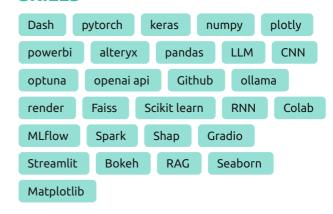### Electronics and Communication
VidyaVardhaka College of Engineering

08/2021   *Mysore*

LANGUAGES

English
Full Professional Proficiency

Kannada
Full Professional Proficiency

SKILLS

Dash pytorch keras numpy plotly powerbi alteryx pandas LLM CNN optuna openai api Github ollama render Faiss Scikit learn RNN Colab MLflow Spark Shap Gradio Streamlit Bokeh RAG Seaborn Matplotlib

PERSONAL PROJECTS

HeartAttack Predictor - Streamlit APP
- Streamlit Cloud–deployed web app providing real-time heart attack risk predictions from 70k+ patient records.
- Combines ensemble ML models, explainable AI, and interactive visualizations to accelerate clinical decision-making.

AQI Weather Karnataka Dashboard - Dash APP
- Render–deployed Dash app providing real-time AQI & weather forecasts for Mysore and Bangalore.
- Combines historical trends, 0–24 hr LSTM predictions, and interactive visualizations, with MLflow tracking and Spark-powered ETL for large-scale datasets.

Smart Counsel.AI - Streamlit APP
- Streamlit Cloud–deployed application leveraging a RAG pipeline to deliver personalized career counseling.
- Assists users in making data-driven educational & professional decisions, with model versioning and performance monitoring via MLflow.
- Trained on 5L+ synthetic documents to ensure robust recommendations and diverse scenario coverage.

AgentIQX - Multi-Agent System - Gradio APP
- Github hosted – Modern multi-agent application for audio, video, and PDF transcription & summarization.
- Gradio-based system enabling dynamic analysis with RAG-powered, Faiss pipelined,local LLM summarization, TTS, and autonomous agent interactions.
- Integrates embeddings, FAISS indexing, and multi-method extraction for robust decision-making and knowledge retrieval.

Indian Fraud Detection System - Bokeh Dashboard
- Render -- deployed Interactive Bokeh dashboard for real-time fraud detection in Indian financial transactions. Uses SMOTE sampling for class imbalance.
- Two models with high precision and recall, and one model optimized for high recall to capture potential frauds. Provides actionable insights to prevent fraudulent activities.

INTERESTS

Soccer   Table Tennis   Cooking   Travelling