Nimisha.K.Kumaran

AI/ML Developer

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PROFILE SUMMARY

Data Science and Machine Learning professional with a background in Economics. Skilled in Python, SQL, and data visualization tools like Power BI and Tableau. Experienced in predictive modeling, NLP, and big data technologies. Passionate about using data to drive insights and decision-making.

EXPERIENCE

AI/ML Developer Intern –*Tinos Software & Security Solutions LLP, Cochin,Kerala*   *Jan 2025–present*

- Built a multilingual RAG(Retrieval-Augmented Generation)-based chatbot using LLMs, improving access to college info in 4+ South Indian languages.
- Developed and deployed ML models with up to 92% accuracy for classification/regression tasks.
- Reduced model latency by 30% and automated data workflows, cutting manual effort by 40%.

Data Science-Intern -- *Luminar Technolab, Cochin, Kerala*   *oct 2022–july 2023*

- Built supervised/unsupervised models, boosting prediction accuracy by 20%.
- Cleaned and processed large datasets (1M+ rows), improving model performance by 18%.
- Automated ETL tasks and enhanced team code quality through reviews and collaboration.

PROJECTS

Loan Approval Prediction

- Built a predictive model to determine loan approval likelihood using historical loan data.
- Achieved 85% model accuracy and reduced manual verification time by 30%.
- Tools used: pandas,numpy,matplotlib,seaborn,classification algorithms

Twitter Sentiment Analysis

- Implemented a sentiment analysis model to detect hate speech, spam, and misinformation in tweets.
- Improved classification accuracy to 80%, enhancing online content moderation.
- Tools Used: NLP, NLTK, Colab,

Multilingual Chatbot

- Developed a multilingual voice-based chatbot using Retrieval-Augmented Generation (RAG) architecture to provide college-related information in South Indian languages.
- Tools used: LLM ,RAG, Ollama, ChromaDB, Gradio

TECHNICAL SKILLS

Programming and analytics Languages: Python, SQL, C++, JavaScript, PHP .
Data Analytics and Visualization: Excel, Power BI, Tableau, Pandas, NumPy, Matplotlib, Seaborn .
Machine Learning and AI: Classification, Regression, Clustering, NLP,LLM, Ollama, Huggingface, NLTK.
Big Data: Hadoop, Apache Spark, BigQuery, Hive, Pig, Sqoop.
Cloud and Frameworks: AWS, OpenCV, YOLO .

EDUCATION

Master's Degree In Economics - *Sacred Heart College, Thevara, Cochin, Kerala*   *June 2020–Mar 2022*

- **Coursework:** Econometrics,Applied Statistics,Quantitative Methods,Mathematical Economics

Bachelor's Degree In Economics - *Bharata Mata College, Trikkakara, Kerala*   *June 2017–Mar 2020*

- **Coursework:** Research Methodology,Time Series Analysis,Statistical Inference,Public Finance.

CERTIFICATIONS

Post Graduate Diploma In Computer Applications –*Digitech Academy, Kerala.*   *Feb 2023–Apr 2024*
Data Science and Big Data Analytics – *Luminar Technolab, Cochin, Kerala*   *Oct 2022–July 2023*