Divya Nayan

Hyderabad, Telangana, India 500032

📞 +91-7903-850-309 ✉ divyanayan88@gmail.com 🔗 linkedin.com/in/divyanayan

Professional Summary

AI/ML Engineer specializing in demand forecasting, agentic AI systems, and reinforcement learning algorithms. Expertise in developing production-grade machine learning models, multi-agent architectures, and LLM-powered applications. Skilled in time series forecasting, deep learning, natural language processing, and deploying scalable AI solutions that deliver measurable business impact.

Experience

Win Information Technology Pvt Ltd   **December 2024 – Present**

AI/ML Engineer   *Hyderabad, Telangana*

- Engineered full-stack FMCG analytics platform with 18+ RESTful APIs and 24 React/TypeScript components, processing 7+ real-time data sources. Implemented weighted priority-based recommendation engine (45% purchase pattern, 35% timing analysis, 20% customer value) with intelligent cycle prediction algorithms. Integrated Llama 3.1-8B LLM via Groq API for AI-powered sales insights. Built predictive demand forecasting with time-series analytics, Chart.js visualizations, 75-120% performance-optimized FMCG scoring, FastAPI backend, and production-grade Docker deployment.
- Developed enterprise-grade AI-powered lead generation system utilizing React, FastAPI, and LangGraph orchestration framework. Built 8-agent pipeline processing web scraping, NLP-based scoring, and personalized email generation through Groq LLM API. Deployed full-stack architecture with TypeScript frontend, Python backend, real-time WebSocket communications, and automated CSV/JSON export functionality, achieving 70% email deliverability and 3x sales team efficiency.
- Fine-tuned LLaMA 3.2 model by creating 10,000+ synthetic data samples from limited source data and deployed custom conversational AI agent integrated with ElevenLabs ecosystem, Twilio API for voice interface, and Ngrok for secure deployment.

Growth Loops Technology   **July 2024 – October 2024**

AI/ML Engineer   *Kolkata, West Bengal*

- Designed multi-agent chatbot systems using LangGraph framework for US-based client, reducing query resolution time by 20% and minimizing manual intervention requirements.
- Implemented Retrieval-Augmented Generation (RAG) workflows with LangChain and Pinecone vector database to enhance document retrieval accuracy and response consistency.
- Integrated multiple AI APIs (OpenAI, LLaMA, Groq) to build scalable LLM-powered applications, successfully processing 5,000+ queries monthly across production environments.

CodSoft   **September 2023 – October 2023**

Data Science Intern   *Kolkata, West Bengal*

- Executed machine learning projects involving regression and classification tasks using Linear Regression, Logistic Regression, Decision Trees, and K-Means Clustering.
- Developed predictive models for customer churn prediction and sentiment analysis using real-world datasets, focusing on model optimization and performance evaluation.
- Applied data preprocessing, feature engineering, and model training techniques using Scikit-learn, NLTK, and PyTorch frameworks.

Education

RGPV University   **August 2015 – June 2019**

Bachelor of Engineering in Computer Science and Engineering | GPA: 7.53/10   *Bhopal, Madhya Pradesh*

Technical Skills

Programming Languages: Python, SQL
Machine Learning & Deep Learning: LightGBM, Prophet, ARIMA, SARIMA, DDQN, PPO, Actor-Critic, Mixed Integer Programming, Multi-Armed Bandit, Scikit-learn, PyTorch, NLTK
AI & LLM Frameworks: LangChain, LangGraph, CrewAI, OpenAI Gym, RAG, LLaMA, ElevenLabs
Development & Database Tools: GitHub, MySQL, Pinecone, MLFlow, Docker
Cloud & API Integration: AWS, OpenAI API, Groq API, LLaMA API Integration

Certifications and Achievements

Professional Certifications: IBM Data Science Professional Certificate, Google Advanced Data Analytics Certificate
Technical Assessment: TCS NQT 2023 (Score: 1609/1800 – 89.4%)