

Darshanikanta Behera

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PROFESSIONAL SUMMARY

Aspiring Data Scientist / AI Engineer passionate about solving real-world problems using Machine Learning, Deep Learning, and Generative AI. Skilled in building predictive models, developing AI-powered applications, and working with cutting-edge tools like LangChain, Gemini, and Hugging Face. Eager to contribute innovative AI solutions and continuously learn emerging technologies. I regularly integrate AI tools into my workflow to work faster and more effectively.

SKILLS

- Programming Languages: Python, SQL
- Libraries & Frameworks: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras, PyTorch, OpenCV
- Generative AI & LLMs: LangChain, Google Gemini, Hugging Face Transformers, Ollama
- Tools: Anaconda, VS Code, PyCharm, Power BI, Streamlit, Ngrok
- Core Skills: Machine Learning, Deep Learning, NLP, Prompt Engineering, AI Agents, RAG, Data Cleaning, EDA, Data Visualization
- Soft Skills: Critical Thinking, Problem Solving, Communication, Time Management, Teamwork

PROFESSIONAL EXPERIENCE

Data Science Mentor | Naresh iTechnology, Hyderabad | Mar 2025 - Present

- Mentor students in Python, Machine Learning, AI, and Data Visualization, guiding projects, debugging code, and optimizing solutions while staying updated with latest AI/ML trends.

PROJECTS

- **Mental Health Detection : Text Classification using NLP**

Built a classifier to detect mental health indicators from synthetic text data (10,000+ samples) using TF-IDF, NLTK, and Logistic Regression. Achieved 92% accuracy. Designed end-to-end pipeline: text cleaning, feature extraction, model training, confusion matrix visualization and prediction.

- **Multi-Assistance Chatbot : Role-Based AI Assistant**

Developed a Streamlit web app integrating Google Gemini API for role-specific AI assistance (e.g., Python Tutor, Career Advisor). Engineered advanced prompt strategies for context-aware, human-like conversations. Delivered reliable, real-time user interaction with dynamic role switching.

- **Data Analysis AI-Agent : AI-Powered CSV Chat Assistant**

Built an interactive Streamlit app enabling users to upload CSV files and query data in natural language. Used LangChain and Gemini LLM to generate insights, perform data analysis, and automate exploratory data tasks eliminating need for manual coding.

- **RAG-Based Model : Document Search and Q&A System**

Designed and developed an end-to-end retrieval-augmented generation (RAG) system using Gemini LLM, LangChain, and FAISS. Built modular components for document parsing (PDF, DOCX, TXT), embedding generation, vector storage, semantic search, and contextual response generation.

EDUCATION

- Bachelor of Science (Information Technology & Management) 2021 - 2024
Fakir Mohan University, Balasore
- Intermediate Science 2019 - 2021
Saheed Higher Secondary School, Bhadrak

ACHIEVEMENTS & CERTIFICATIONS

- Full Stack Data Science & AI - Naresh iTechnologies (July 2024 – Jan 2025, In-Person Training)
- Generative AI - GUVI (2024)
- Data Science - Microsoft (Skill for Odisha, 2023)