VIVEK KUMAR MODAK

AI Engineer | ML | Data Analyst

✉ vivekkumarmodak13@gmail.com

📞 8969790825

📍 Ranchi , Jharkhand India

💻 www.linkedin.com/in/vivek kumarmodak29

TECHNICAL SKILLS

- **Programming Languages :**
  C , Python , HTML , CSS ,Javascript
- **Frameworks & Libraries:**
  TensorFlow, Keras, Scikit-Learn, NLTK, Hugging Face Transformers, Pandas, NumPy, Matplotlib, Seaborn, Flask Langchain, Llamaindex
- **Databases :** MySQL ,Pgsql
- **Tools & IDEs :** Copilot
  VS Code, Jupyter Notebook, Google Colab, PyCharm, Streamlit, Tableau, Google Analytics, Github , Power BI

Other Skills: Retrieval-Augmented Generation (RAG), Agentic AI, Large Language Models (LLMs), Machine Learning, NLP

EDUCATION

2021 - 2025   7.98 CGPA
B.Tech (Artificial Intelligence)
Sarala Birla University

2018 - 2020   CBSE | 80.5 %
Higher Secondary Education
Surendranath Centenary School

2018   CBSE | 81.00 %
Secondary Education
Sarala Birla Public School

SOFT SKILLS

- Strong Problem-Solving & Analytical Thinking
- Effective Communication & Team Collaboration
- Time Management & Multitasking
- Adaptability & Quick Learning

Professional Summary

I am a passionate AI/ML engineer with practical experience in building and deploying machine learning models using Python, TensorFlow, Hugging Face, and Flask. I enjoy creating real-time AI applications and working with data through preprocessing, visualization, and NLP (Natural Language Processing). I understand concepts like collaborative filtering, classification, and deep learning well. I'm looking for opportunities where I can use my skills to build useful and meaningful projects.

SUMMER INTERNSHIP

Machine Learning Engineer Intern
Ardent Computech Pvt. Ltd | Duration: 1.5 months

✓ *Developed a Movie Recommendation System using Data Science, AI, and ML.*
✓ *Designed and implemented data models using Python.*
✓ *Gained hands-on experience in AI-based system development and deployment.*

PROJECTS

AI-Powered Research Assistant with RAG & Agentic AI
- *Built an AI research assistant using Python, LangChain, LLMs, and Flask/Streamlit.*
- *Implemented RAG (Retrieval-Augmented Generation) with embeddings and vector databases (Pinecone/FAISS) for context-aware responses.*
- *Integrated an Agentic AI layer using LangChain Agents to perform multi-step reasoning and task automation.*
- *Deployed as a real-time web app, leveraging GitHub CoPilot for AI-assisted development and code generation.*

WhatsApp Chat Analysis System
- *Developed a tool to analyze chat history using Python, NLTK, Matplotlib, and Streamlit.*
- *Extracted insights on word frequency, sentiment analysis, and chat trends.*
- *Designed visualizations and sentiment tracking for better user insights.*

Text Summarization Website
- *Built a web-based NLP tool using Python, Hugging Face Transformers, Flask, and HTML/CSS.*
- *Integrated pre-trained NLP models for text summarization.*
- *Optimized model accuracy to generate concise and meaningful summaries.*
- *Implemented Google Analytics for tracking user behavior and engagement, enabling data-driven improvements to the platform.*

Multiple Disease Prediction System
- *Built predictive models using TensorFlow and Scikit-learn for diagnosing diseases from user symptoms.*
- *Integrated the models into a Flask web interface for seamless user interaction.*
- *Achieved high accuracy across Diabetes, Heart, and Eye Image datasets.*

PERSONAL INTEREST

- Passionate about AI, NLP, and Data Analytics
- Enthusiastic about fitness and gym activities
- Strong interest in internet technologies and trends
- Movie Enthusiast