RUCHIKA NATIYE

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in **Linkedin** | GitHub **GitHub** | ✉ **Email**

SUMMARY

Aspiring ML Engineer with strong fundamentals in AI/ML algorithms, python and cloud platforms (Azure). Proven ability in feature engineering, model training (Regression, Clustering) and data analysis from academic projects. Proficient in Pandas, NumPy, Scikit-learn and Tensorflow. Eager to leverage expertise in NLP, LLM, data preprocessing and predictive modeling to build innovative AI solutions.

WORK EXPERIENCE

Machine Learning Intern   **June 2025 - Nov 2025**

Unified Mentor Pvt.Ltd | Python, Tensorflow, OpenCV, Keras, Pandas, NumPy, NLP, Scikit-learn, Hugging Face   **Remote**

- Worked with real-world datasets for analysis and model training.
- Built and trained Machine Learning models (e.g predictive, classification).
- Applied supervised, unsupervised or deep learning algorithms. Wrote and refined code and fixed errors.
- Explored and utilized AI/ML tools.

Data Science Intern   **Jan 2025 - Mar 2025**

Unified Mentor Pvt.Ltd | Python, NumPy, Pandas, Seaborn, Scikit-learn, MySQL, Git, GitHub, Power BI   **Remote**

- Utilized python for data manipulation (NumPy, Pandas), cleaning, transformation and visualization (Matplotlib, Seaborn).
- Worked on projects using real-world data (e.g Olympics, E-commerce).
- Performed Exploratory Data Analysis (EDA) and applied statistical concepts.
- Used Git and GitHub for project management and showcasing work.

COURSES

Machine Learning Training Programme   **DataMites, Nagpur (June 2024 - July 2024)**

It was an intensive, hands-on program designed to quickly equip learners with practical job-ready skills through project based learning approach.

Data Science Training Programme   **Sparrow AI Research and Development Center, Nagpur (Aug 2023 - Sept 2023)**

Learned fundamentals of data science, machine leraning and AI through their insightful training programme.

SKILLS

- **AI/ML Expertise:** Regression, Classification, Clustering, NLP, Deep Learning, Neural Networks, LLMs, LangChain, Hugging Face
- **Data Analytics:** Data Cleaning, Statistical Analysis, SQL
- **Programming:** Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch),
- **Visualization Tools:** Power BI, Tableau, Matplotlib, Seaborn

PERSONAL PROJECTS

1. **Hate speech detection using machine learning**

   Data Preprocessing, Lemmatization, Stopword Removal, Tokenization, BiLSTM, Deep Learning, Dense Layers, Visualization.

2. **Boxoffice revenue prediction using linear regression**

   NLP Countvectorizer, XGBoost, EDA, Log-transformation.

3. **Deep Research AI agent**

   LangGraph, Sub-agent orchestration, prompt engineering, APIs to fetch real-time data for analysis.

4. **QA RAG system with Langchain**

   LangChain, RAG, LLMS, QA pipelines, chunking, embedding choice, prompt design.

EDUCATION

S.B. Jain Institute of Technology, Management and Research, Nagpur   **Sept 2021-May 2025**

B.Tech in Electrical Engineering   **Nagpur, Maharashtra**

- **CGPA:** 9.3