RINKEY PAL

INTRODUCTION

Data-driven professional with a strong background in statistical machine learning, data science, and research analytics. Proficient in NLP, Machine Learning, and LLM tools. Skilled in statistical modeling for actionable business insights. Demonstrated ability to manage and analyze large datasets across diverse projects. Adaptable, detail-oriented, and capable of leading multiple initiatives across fast-paced research and business environments.

CONTACT

Email: **rinkeypal2419@gmail.com**
Add: 203, Manikbagh Road, Indore, 452001, India

Contact: +91-860-247-4771

FIND ME ONLINE

LinkedIn

http://www.linkedin.com/in/rinkey-pal-datascience

DATA SCIENCE SKILLS

Machine Learning- Predictive Modelling
NLP- Sentiment Analysis, BERT
Data Visualization
Deep learning -ANN, RNN
Retrieval-Augmented Generation (RAG)

PROGRAMMING & LIBRARIES

Python
Matplotlib
Seaborn
NumPy
Pandas

LLM ECOSYSTEM & TOOLS

LangChain, FAISS, OpenAI API, Ollama API, Groq API

VERSION CONTROL & IDE

Version Control: GitHub Actions
IDE: VS Code, Jupyter Notebook
Deployment: Hands on Docker, Kubernetes, AWS EC2 instances, Helm chart

LANGUAGES

English
Hindi

INTERNSHIP

INTERN (REMOTE), LEARNVISTA PVT LTD., BANGALORE, INDIA
DEC 2022 - JUL 2024

- Led 2 Machine Learning projects using models such as Random Forest, XG Boost, and Linear Regression for predictive analysis and pattern recognition.
- Worked on NLP project, worked on text preprocessing, sentiment analysis, and feature extraction.
- Gained hands-on experience in data preprocessing, model training and evaluation, feature engineering.

RECENT WORK EXPERIENCE

ASSOCIATE (ACADEMICS AND RESEARCH), IIM, INDORE, INDIA
AUG 2021 – NOV 2024

- Worked on stock data analysis using regression models (Logistic Regression, Random Forest) for proof-of-concept experiments under mentorship.
- Assisted in data formatting, cleaning, and exploratory analysis to support research efforts.
- Developed working knowledge of supervised ML algorithms such as Random Forest, XGBoost, and optimization techniques like Gradient Descent by implementing them in project.
- Conducted web scraping using Python to collect movies data for research studies.
- Performed in-depth data collection, preprocessing, and analysis across research areas.
- Developed skills in data visualization (Matplotlib, Seaborn) and model evaluation using Jupyter Notebooks.

BUSINESS DEVELOPMENT ROLE (CAREERLIFT, IDEAVATE, UNACADEMY), INDORE, INDIA
MAY 2018 – MAR 2021

- Conducted comprehensive business research in both domestic and international markets using tools like HubSpot and LinkedIn Sales Navigator, increasing data qualification.
- Synthesized market trends and client needs into strategic recommendations, contributing to significant revenue.
- Connecting with clients via calls, zoom, provided product demos, and closing sales.

PROJECTS

ML Project: Fraud Detection in Financial Transactions
Objective: Built a Proof of Concept (PoC) for detecting fraudulent activities in financial transactions.
- Analyzed over 630,000 records, applying Random Forest, and SMOTE to improve fraud detection.
- Achieved an F1-score of 65%, helping mitigate fraud risk and improve operational security.
- Hands-on with EDA using pandas profiling data preprocessing, imbalance handling, and evaluation.

ML Project: Credit Risk Data Analysis (Aligned with Retail Credit Lifecycle)
Objective: Led the development of a predictive model for improving retail credit risk.
- Conducted in-depth analysis of 400,000 customer records using XGBoost and Random Forest, achieving high model accuracy (97% and 98%).
- Designed interactive visualizations to present credit risk trends and insights.
- Performed feature engineering, data cleaning, and model evaluation.

LLM Project: Research Paper Summarization using Langchain, Huggingface and FAISS
Objective: Built a tool to quickly read and summarize academic research papers using AI.
- Used FAISS to find the most important parts of the document based on meaning.
- Integrated LangChain with FAISS for context-aware summarization and keyword generation.
- Used Hugging Face's summarization pipeline to test the system locally and generate summaries.

EDUCATION

ADVANCE DATA SCIENCE AND AI PROGRAM, IBM (PURSUING)
MBA MARKETING, INSTITUTE OF MANAGEMENT STUDIES, DAVV
B.SC. COMPUTER SCIENCE, KHALSA COLLEGE, DAVV

ACHIEVEMENTS

Certified in Python, Statistics, and Machine Learning for Data Science & Analytics.
Certified in Business Analytics Research from IIM Indore.
Earned 5 Salesforce Badges, including Generative AI and Tableau Pulse.