Abhishek Singh

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Professional Summary

Innovative and proactive Mid Data Scientist with 4 years of experience in advanced analytics, statistical modelling, and building data-driven AI/ML solutions. Skilled in designing intelligent systems using the latest LLM-integrated applications. Demonstrated success in collaborating with cross-functional teams to translate data into business impact, optimizing decision-making processes, and delivering scalable solutions.

Core Skills

- **Programming & Data Engineering**: Python, PySpark, SQL

- **LLM Integration & AI Systems**: OpenAI GPT-4-turbo, Lang Chain, Prompt Engineering, Vector Stores (e.g., FAISS, Pinecone)

- **Machine Learning & NLP**: Classification, Regression, Clustering, NLP, Dimensionality Reduction, Ensemble Models

- **Data Analysis & Visualization**: pandas, NumPy, scikit-learn, matplotlib, seaborn

- **Cloud & Deployment**: AWS/Azure/GCP, Docker, Stream lit, Fast API

- **Tools & Frameworks**: Git, Jupyter, VS Code, Power BI/Tableau

- **Soft Skills**: Analytical Thinking, Business Storytelling, Cross-functional Collaboration, Technical Writing

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Professional Experience

Mid Data Scientist
[Calsoft] — [Indore]
[August, 2022] – [May 2024]

- Designed and deployed a GPT-4-turbo-powered chatbot for internal knowledge management using Lang Chain, reducing time-to-insight by 40%.

- Integrated OpenAI APIs with internal datasets to develop semantic search and document Q&A systems using vector embeddings and retrieval-augmented generation (RAG).

- Led the implementation of LLM-driven tools for dynamic report generation and automation of market analysis.

- Collaborated with cross-functional teams to translate domain-specific needs into AI-based prototypes using OpenAI and Lang Chain stacks.

- Mentored junior data scientists in adopting LLM technologies and integrating them into traditional data science pipelines.

Data Scientist
3R3 Global Solutions Pt. Ltd., [Bhubaneshwar]
September 2020 – July 2022

- Analysed complex datasets using statistical techniques to generate actionable business insights and performance reports.

- Built advanced statistical models and algorithms to support predictive insights aligned with network and business objectives.

- Acquired, cleaned, and maintained data from primary and secondary sources, ensuring high data integrity and system reliability.

- Identified and interpreted patterns and trends in large datasets to inform strategic decision-making.

- Translated operator business goals into data-driven intelligence through regression-based analytics and data storytelling.

Education

MBA in DATA SCIENCE
Amity University, Noida

Bachelor of Arts (B.A.) in English
Kolhan University, Jamshedpur

**Projects **

Chatbot using Lang Chain & GPT-4-turbo
Built an intelligent chatbot leveraging Lang Chain and OpenAI's GPT-4-turbo, with RAG architecture and vector search for dynamic, context-aware responses. Deployed via Stream lit for a seamless user interface.

Customer Churn Prediction Model
Used classification models (Logistic Regression, Random Forest) on sales data to predict customer churn with 85% accuracy.