

Pritipallabi Tripathy

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PROFILE

Results-driven Data Engineer skilled in Python, SQL, Power BI, and Generative AI, with hands-on experience in analysing large data sets, building data models, and automating pipelines. Reduced manual effort by 25% and improved data delivery speed. Strong in collaboration, analytical thinking, and problem-solving.

EXPERIENCE

Involead Services Private Limited – Bhubaneswar, Odisha

January 2024 - Present

Associate Data Engineer

July 2024 - Present

- Developed and optimized automated data pipelines using Python and SQL, reducing manual effort by 25%.
- Collaborated with cross-functional teams to analyze large data sets and design data models for reporting.
- Created interactive dashboards using data visualization tools (Power BI, Tableau) to track query trends and KPIs.
- Automated data extraction and transformation using Python, enhancing real-time reporting and accuracy.
- Worked in an agile environment, demonstrating teamwork, adaptability, and analytical problem-solving.

Data Engineer Intern

January 2024 – June 2024

- Supported Generative AI and LLM-based RAG projects for intelligent search and retrieval.
- Processed and cleaned data sets for model training and performance evaluation.
- Created visualizations and reports using data visualization tools to communicate insights effectively.

SKILLS

- **Technical:** Python, SQL, Power BI, Data Analysis, Data Models, Data Visualization, Generative AI, Machine Learning, FastAPI, MongoDB, AWS
- **Soft Skills:** Collaboration, Analytical Thinking, Problem-Solving, Strategic Planning, Communication, Teamwork, Adaptability

EDUCATION

Gandhi Institute of Engineering and Technology

Gunupur, Odisha, India

Masters of Computer Application

2022 – 2024

- CGPA – 9.14

PROJECTS

Content Finder

January 2024 – Present

- Built an AI-driven medical chatbot for a US Pharma client, handling 10K+ queries with 40% higher accuracy.
- Implemented vector search and embeddings to enable context-aware document and image retrieval.
- Integrated LLM and RAG pipelines with FastAPI and MongoDB, reducing response latency by 25%.

Demand Forecasting Dashboard

September 2024 - November 2024

- Designed an interactive Power BI dashboard to visualize sales, revenue, and margin trends across regions.
- Integrated forecasting models (XGBoost, LSTM, Prophet) achieving MAPE <10% for high-accuracy demand prediction.
- Delivered insights that helped improve strategic planning efficiency by 20% and optimize supply chain performance.