Subhansu Pradhan

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subhansu-portfolio.vercel.app

Education

Giet University — Gunupur, Odisha
B Tech Computer Science Engineering (CSE) Specialisation Data Science — *Aug 2023 – Present*

St.Xavier High School — Berhampur, Odisha
Intermediate/12th — *April 2023*

Experience

Data Science Trainer (Technical Faculty) — Oct 2026 - Present
NetTech India — *Andheri(West), Mumbai*

- Teach Python programming and Data Science concepts through practical examples and hands-on exercises.
- Train students in NumPy, Pandas, Matplotlib, and Seaborn for data analysis and visualization.
- Explain SQL, statistics, and Machine Learning concepts using simple examples and real-world applications.
- Guide students in implementing Machine Learning algorithms and working with datasets through practical sessions. Prepare learning materials, coding exercises, and assignments to strengthen students' technical skills.

Data Analyst Intern — May 2026 - Aug 2026
7S IQ Private Limited — *Remote*

- Cleaned and prepared datasets using Python, SQL, and Excel for accurate analysis.
- Performed exploratory data analysis to identify trends, patterns, and useful business insights.
- Created Power BI dashboards and reports to present data clearly and effectively.
- Trained and evaluated machine learning models for predictive analytics tasks.
- Used ChatGPT and Claude to support research, problem-solving, and daily tasks.

AI-ML Virtual Intern — Jan 2026 - Mar 2026
AICTE – EduSkills (Supported by Google for Developers) — *Virtual*

- Completed a 10-week virtual internship covering AI and Machine Learning fundamentals.
- Gained hands-on experience in data analysis and model building through guided exercises.
- Explored practical applications of AI and Machine Learning in real-world problem-solving.

Projects

DataLystAI – AI-Powered Data Analysis Platform | *Python, Streamlit, Pandas, Scikit-learn, Ollama, RAG*
github.com/SubhansuPradhan/DataLystAI

- Built a Streamlit platform where people can upload a dataset and just ask questions about it in plain English.
- Handled the whole loop under the hood: data cleaning, EDA, visualizations, SQL/Python code generation, and plain-language business insights.
- Wired in a local LLM through Ollama so analysis stays context-aware without the data ever leaving the machine or hitting an external API.
- Added anomaly detection and statistical checks so users can catch odd patterns in their data without digging for them manually.

NexaFlow | *Python, Ollama (Llama 3.2), ChromaDB, Sentence Transformers, Streamlit, RAG*
github.com/SubhansuPradhan/Nexaflow-Support-Agent

- Built a support agent that reads who it's talking to, sorts them into one of three personas, and shifts its tone and depth to match.
- Wrote the RAG pipeline from the ground up: custom chunking, Sentence Transformer embeddings, and retrieval through ChromaDB across a 16-document knowledge base.
- Built an escalation layer that watches for red-flag keywords, weak retrieval confidence, and long unresolved threads, then hands off to a human with a summary attached.
- Ran the entire thing on a local LLM (Ollama, Llama 3.2), no API cost, with a Streamlit view showing persona confidence, sources, and escalation status live.

Hospital Readmission Risk Analysis | *Python, SQL (PostgreSQL), Power BI, Machine Learning*
github.com/SubhansuPradhan/Hospital-Readmission-Risk-Analysis

- Went through 100K+ diabetic patient records across 130 US hospitals to figure out what was actually driving 30-day readmissions.
- Trained a Gradient Boosting model with SHAP so high-risk patients get flagged right at discharge, with a reason attached.
- Built a 4-page Power BI dashboard laying out patient risk scores next to the clinical factors behind them.

Retail Store Performance Analytics | *Python, PostgreSQL, Power BI, DAX, SQL*
github.com/SubhansuPradhan/Retail-Store-Performance-Analytics

- Set up an end-to-end pipeline for 9,994+ retail transactions, with a proper PostgreSQL star schema and 11 SQL views behind it.
- Engineered 25+ metrics on top of that, including RFM segments, profit margin, and inventory velocity.
- Built a 4-page Power BI dashboard with 20 DAX measures and found heavy discounting was quietly pushing margins as low as -93%.

Certifications & Achievements

Oracle Certified Foundations Associate – AI *Sept 2026*
Covered how OCI's AI and ML services actually fit together, from core concepts to real cloud-based AI infrastructure.

Oracle Certified Foundations Associate – Agentic AI *Sept 2026*
Covered how agentic AI systems get designed and deployed on OCI, including agent architecture and orchestration.

Deloitte Australia Data Analytics Job Simulation (Forage) *March 2025*
End-to-end data analysis and forensic tech work, with a Tableau dashboard and Excel-based business insights. Link

Tata Group Data Analytics Job Simulation (Forage) *Jan 2026*
GenAI-assisted EDA and a no-code delinquency risk framework, plus an AI-driven collections strategy. Link

Technical Skills

Languages: Python, R, SQL, JavaScript, HTML/CSS
AI/ML & LLM: RAG, LLM Integration, Prompt Engineering, LangChain, LangGraph
Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Plotly
Tools: Power BI, GitHub, Excel, Jupyter Notebook
Automation: n8n

Soft Skills

Analytical Thinking, Effective Communication, Collaboration, Time Management, Presentation, Leadership

Domains & Expertise

Machine Learning, Exploratory Data Analysis, Predictive Modeling, Generative AI, Agentic AI, Retrieval-Augmented Generation (RAG), Workflow Automation