

Shubh Pathak

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portfolio/ShubhOS | github.com/shubh0614

Summary

Data Analyst and AI Engineer at UBS with over 2 years delivering end-to-end BI solutions and automated data pipelines for Investment Banking and Technology Services. Led development of a generative AI compliance pipeline eliminating 200+ hours of monthly manual review, and compressed hardware approval times by 80% by engineering ETL pipelines integrating 85+ enterprise systems. Collaborated with compliance, risk, and technology stakeholders to drive data-driven decision making. Certified in Microsoft Fabric (DP-600), Power BI Data Analyst (PL-300), and Alteryx Designer.

Experience

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| UBS | Pune, India |
| AI Engineer | Nov 2025 – Present |
| <ul style="list-style-type: none">Partnered with a 6-person compliance team and Investment Banking stakeholders to automate manual review, eliminating 200+ hours monthly, by architecting data pipelines that parse 8,000+ documents and export structured audit outputs with page-level evidence, categorized findings, and reviewer notesPresented compliance KRI dashboards to Investment Bank leadership, translating real-time breach monitoring data into executive-ready insights and replacing a manual reporting process that previously required dedicated analyst timeProcessed complex multi-layered LLM JSON outputs from two content workstreams into clean relational tabular models, ensuring consistent Power BI integration and auditable Excel exports for the compliance review teamLed end-to-end stakeholder engagement across the compliance automation project, defining KRI frameworks and translating AI outputs into actionable insights for senior Investment Bank leadership | |
| Data Analyst | Aug 2024 – Oct 2025 |
| <ul style="list-style-type: none">Decreased manual data-gathering effort by 40% by developing the INSPIRE dashboard in Power BI, integrating datasets from 80+ enterprise systems into a single infrastructure view for Technology Services leadershipCompressed hardware approval times from 14 days to under 3 days (80% reduction) by engineering Azure Data Factory ETL pipelines integrating HPE, Dell, and Lenovo hardware APIs with rule-based recommendation logic in PostgreSQLOwned end-to-end development of a predictive ML model that automated approval decisions for 4,000+ IT infrastructure tickets annually, trained on historical virtual server utilization data (CPU, memory, disk)Accelerated infrastructure assessment cycles by 60% by architecting the Solution Designer Studio in collaboration with business users, enabling cross-functional teams to build and reuse custom Power BI reports through personalized visualsEliminated the equivalent of 2 FTEs of manual effort by automating enterprise alerting workflows via Power Automate, delivering real-time metric updates to 100+ stakeholders | |
| Data Analyst Intern | Jan 2024 – Jul 2024 |
| <ul style="list-style-type: none">Shrank mean-time-to-resolution from 2-3 days to under 6 hours by building a Power BI failure-monitoring dashboard segmented by region, data source, and failure typeDrove migration of compliance reporting infrastructure from Tableau to Power BI by automating Azure Data Factory ETL pipelines loading BigID scan outputs into MS SQL | |

Technical Skills

Business Intelligence: Power BI, Microsoft Fabric, DAX, Tableau, Alteryx, Power Automate, Tabular Editor
Data Engineering: Azure Data Factory, PostgreSQL, MS SQL, ETL Development, Python, pandas, openpyxl, JSON schema design
Machine Learning and AI: Azure OpenAI, LLMs, NLP, Predictive Modelling, TensorFlow, LangGraph, PyMuPDF
Professional: Stakeholder Management, Cross-functional Collaboration, Technical Documentation, Azure, AWS, Git

Certifications

Microsoft Certified: Fabric Analytics Engineer Associate (DP-600)	Microsoft, 2025
Microsoft Certified: Power BI Data Analyst Associate (PL-300)	Microsoft, 2024
Alteryx Designer Core Certified	Alteryx, 2025
Microsoft Certified: Azure AI Engineer Associate (AI-102)	Microsoft, 2024

Education

Vellore Institute of Technology	Bhopal, India
Bachelor of Technology, Computer Science	Oct 2020 – Oct 2024
GPA: 8.70 / 10.00	