

SHUBH DHAR

AI Engineer & Data Scientist · UW MSIM (GPA 3.95)

Shipping production-grade GenAI and agentic systems end-to-end, backed by 2 years of industry AI engineering.

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[GenAI Resume](#) · [LinkedIn](#) · [GitHub](#)

CORE COMPETENCIES

GenAI & Agentic Tools	LangGraph · LangChain · LlamaIndex · RAG · Claude Code · Cursor · Replit · Lovable
Software Engineering	Flask · Django · Node.js · JavaScript · Java · C++ · C# · .NET · Swift
AI / ML	Python · TensorFlow · PyTorch · scikit-learn · OpenAI · Gemini · AWS Bedrock
Data & BI	SQL · MongoDB · BigQuery · Databricks · GCP · AWS · Power BI · Tableau · A/B Testing

PROFESSIONAL EXPERIENCE

Senior Data Scientist

Apr 2024 - Jul 2025

Seawoods Medical Group · Mumbai

- Built a **tool-calling LLM assistant with RAG loops** enabling non-technical staff to query inventory, trigger forecasting tools, and retrieve recommendations in natural language cutting manual lookup time for clinical ops teams.
- Led end-to-end delivery of the "**AI Inventory Availability Maximizer**": shipped to production, lifting medical device availability by **12%** through predictive modeling, automated forecast-to-fulfillment workflows, and a GenAI chat interface.
- Designed **agentic workflows** chaining data retrieval, model inference, and recommendation generation in a single conversational loop; integrated sales, inventory, and supplier datasets for real-time insights.

Data Scientist / Engineer

Nov 2024 - Mar 2025

IIM Ahmedabad · Gujarat

- Led AI research on Indian healthcare and financial market trends; built **data pipelines with the Seeking Alpha API** into PostgreSQL, applying supervised models to predict market dynamics for faculty-led research.
- Benchmarked **Random Forest, Gradient Boosting, and Logistic Regression** on healthcare and financial company performance signals from ratings, reviews, and sentiment data.

Data Science Engineer

Aug 2023 - Mar 2024

Viral Fission · Mumbai

- Shipped a **churn propensity model and engagement features** that lifted user engagement rate by **14%**.
- Developed a **real-time data platform** managing 10 TB+ of app usage data across Azure, MongoDB, and BigQuery.
- Delivered interactive Tableau and Power BI dashboards supporting product decision-making for leadership.

SELECTED PROJECTS

Agentic SoundGuide Financial Companion

HuskyHack 2025

- Built a **RAG-based AI financial companion** for Sound Credit Union in <24 hrs - gamified health dashboard, life-event detection, full frontend + chatbot
- Owned scoring logic, cross-bank loan analysis, and contextual life-event recommendations; presented live to Sound Credit Union stakeholders.

GenAI Discoverability Engine · RareCarat

Voice + Agentic AI

- Built a **voice-enabled AI Copilot** parsing natural-language briefs into a 7-dimension preference graph, returning ranked recommendations with per-dimension match scores - shipped customer Copilot, gemologist view, and strategy pages.

Energy Risk Analytics Platform

End-to-End ML

- End-to-end electricity market risk platform: Python/Plotly Dash dashboard covering VaR/CVaR metrics, price spike detection, and counterparty credit scoring across 15 counterparties.
- R-based ARIMA/Prophet 90-day forecasting on Pacific NW Mid-Columbia Hub prices (Prophet MAPE 25.9%, RMSE \$16.04/MWh).

EDUCATION

M.S. Information Management - Data Science & AI Engineering

Sep 2025 - Present

University of Washington · GPA 3.95/4

Coursework: GenAI Engineering · Claude Code for Advanced Users · ML · Statistical Analysis · LLM Engineering

B.Tech. Information Technology

Aug 2019 - Jul 2023

University of Mumbai · GPA 3.7/4

Coursework → Data Structures & Algorithms, Deep Learning, Software Engineering, Database Management, Applied Statistics

AI Engineering Certification

Aug 2019 - Jul 2023

University of Mumbai, IBM · GPA 3.75/4

Coursework → Introduction to AIML, Natural Language Processing, Deep Learning, Pattern & Anomaly Detection

Top 10% → IBM 4-year AI Engineering Certification (Distinction) · IBM AIML Digital Badge