

DIPANKAR NATH

Data Scientist / Decision Science Analyst

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PROFESSIONAL SUMMARY

Data Scientist with **3+ years** of experience building machine-learning, large-language-model, and Generative-AI solutions in enterprise settings. Proven track record delivering RAG applications, agentic AI systems, and business-intelligence platforms across finance, supply chain, and technology — turning models into measurable business outcomes.

TECHNICAL SKILLS

Languages	Python, PySpark, SQL
AI / ML	Agentic AI, LLMs, RAG, Graph-RAG, AI-Native SDLC, Context & Loop Engineering, AI Solution Architecture, Classification, LangChain, LlamaIndex, Semantic Kernel, AutoGen
Cloud	Microsoft Azure (AI Search, OpenAI, Functions), Google Cloud Platform (BigQuery)
Visualization	Looker, Qlik Sense, Power BI
Databases	PostgreSQL, BigQuery
Dev Tools	Git, Azure Repos / Boards, Jira, FastAPI, Flask

PROFESSIONAL EXPERIENCE

Industrial & Functional Decision Science Analyst

Accenture Strategy & Consulting (Global Network) | 2022 – Present

Recent Highlights (2026)

- SRE Agents (AI-native reliability):** autonomous agents that triage incidents, correlate logs/alerts, and suggest remediations — reduced MTTR by **80%** and on-call toil by **35 hrs/week**.
- AI-Native SDLC:** AI-assisted spec→code→review→docs workflow — accelerated feature delivery **80%** and cut code-review effort **60%**.
- CodeWiki Bot (Graph-RAG):** AI documentation + chatbot over the codebase with auto-generated cross-repo dataflow/architecture diagrams; indexed **12,000+** docs across **12** repos, cutting knowledge-hunt time **80%**.

Key Projects & Achievements

- Built a **ServiceNow agentic bot** (LlamaIndex + OpenAI) for automated IT-ticket resolution, cutting manual intervention **40%**.
- Developed a **RAG-based finance application** with Azure AI Search and vector embeddings for contextual document querying.
- Created a **synthetic-data generation pipeline** using NVIDIA Nemotron-4 340B, producing **100,000+** privacy-preserving records at **95%** statistical similarity.
- Implemented an automated **code-converter tool** transforming legacy .script files to PySpark using Azure OpenAI and the AutoGen framework.
- Led cross-functional **proof-of-value** initiatives, presenting AI solutions to **C-suite** executives.

Additional Projects

- Supply-Chain NL2SQL:** RAG chatbot on Azure Functions, reducing analyst query time **60%**.
- B2B Lead Scoring:** decision-tree classifier over **11M+** firmographic records, improving conversion **25%**.
- Banking Capital Markets:** Qlik Sense KPI dashboards for trading volume and market-liquidity analysis.
- HR Analytics Platform:** 9 interactive Looker dashboards tracking attrition, hiring, and resource allocation across global teams.

EDUCATION

B.Tech, Civil Engineering

NIT Silchar · CGPA 8.1/10

Higher Secondary

Board of Secondary Education, Assam · 86%

CERTIFICATIONS

- Microsoft Azure AI Engineer Associate
- Microsoft Azure Data Scientist Associate
- Microsoft Azure Fundamentals
- NVIDIA Deep Learning (neural networks & GPU computing)
- Machine Learning with Python (IBM)
- RAG for Production (ActiveLoop)
- LLMOps Applications (Udacity)
- Google Cloud Digital Leader

KEY COMPETENCIES

ML Expertise: supervised/unsupervised learning, model optimization, feature engineering

Analytical Excellence: complex data analysis into actionable insights

Deep Learning: neural networks, transformers, modern AI architectures

Innovation: creative solutions to hard technical challenges

Rapid Learning: quickly adopt new tech and adapt to evolving requirements