Vismay Devjee

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SUMMARY

Machine Learning Engineer with 2+ years of experience designing and deploying scalable ML solutions in financial and enterprise risk domains. Developed an AI-driven Expense Ratio Anomaly Detection System and LLM RAG applications on cloud-native architectures, optimizing model inference pipelines for low-latency serving and robust monitoring. Collaborated with stakeholders to translate business challenges into concrete ML formulations, building end-to-end feature engineering and deployment pipelines.

EDUCATION

Northeastern University   **Aug 2023 - Dec 2025**
Master of Science, Information Systems

University of Mumbai   **Aug 2018 - May 2022**
Bachelor of Engineering

EXPERIENCE

Fidelity Investments - Asset Management Risk   **Jan 2025 - Present**
Risk Analyst   *Boston, MA*
- Manage SOX certification controls for Asset Management Risk team, ensuring control effectiveness, regulatory compliance, and alignment with enterprise risk frameworks across multiple business units
- Designed and implemented an AI-powered Expense Ratio Anomaly Detection System using Python and OCR libraries to extract critical fields from Fund PDFs and generate KRIs for non-compliant funds, enhancing risk oversight capabilities
- Developed LLM RAG applications integrating fund documents into vector databases on AWS (S3, RDS), optimizing information retrieval while maintaining high accuracy for complex financial queries in cloud-native architectures
- Engineered custom LLM evaluation frameworks using LlamaIndex to test reasoning models (Google Gemini, Claude) with precision and recall metrics, supporting risk assessment of AI/ML implementations in production environments

Deloitte LLP   **Oct 2022 - Aug 2023**
Data Engineer   *Mumbai, India*
- Led multi-phase AI chatbot development for Amazon using reinforcement learning from human feedback and Python, training models to categorize and recognize tones for contextually appropriate responses in dynamic, ambiguous situations
- Spearheaded integration of advanced problem-solving capabilities by implementing robust categorization systems that optimized response accuracy through continuous learning from human feedback
- Engaged with Cybersecurity & Risk Advisory team on Enterprise Risk Management initiatives, supporting risk documentation and control assessments across technology infrastructure and implemented CI/CD pipelines to automate model deployments

Stay Vista   **Feb 2022 - Oct 2022**
Data Analyst Intern   *Mumbai, India*
- Designed and deployed a dashboard using SQL and Python to analyze response time queries, reducing agent response time by 20%
- Visualized booking data through ETL pipelines and Tableau to extract actionable insights, supporting informed decision-making that guided key product strategies and improved business performance

TECHNICAL SKILLS

- **Cloud & Infrastructure**: AWS (S3, RDS, Textract), Azure (AI Document Intelligence, Data Factory), GCP, Cloud-native Architectures, Microservices Security, Container Security (Docker, Kubernetes)
- **AI/ML & Analytics**: LlamaIndex, LangGraph, LangChain, OpenAI API, Gemini, Claude, Prompt Engineering, NLP, Vector Databases, Model Evaluation
- **Programming & Tools**: Python, SQL, Git, CI/CD (GitLab, Jenkins), Apache Airflow, FastAPI
- **Data Management**: MySQL, SQL Server, Snowflake, MongoDB, Redshift, ETL Pipelines