ABHISHEK K M

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AI ML Engineer with experience in designing, building, and training deep learning models, including CNNs, GANs, and fine-tuned LLMs. Proven expertise in developing MCP servers and delivering AI-driven solutions for real-world business use cases.

PROFESSIONAL EXPERIENCE

EY   MAR 2025 – Present
AI ML Consultant
- Designed and implemented AI multi-agent workflows to analyze large-scale financial data, answer user queries, and generate interactive reporting dashboards.
- Built AI agent-based workflows to automate legacy code migration between programming languages with human in the loop which also facilitates code review and code optimization.
- Developed MCP server tools to optimize model performance and orchestration.
- Analyzed over 100M records of annual inventory data, identified a $50M inventory gap, and delivered data-driven insights that reduced the gap by 82% within one month.

Standard Chartered   2022 – 2025
ML Engineer
- Trained and deployed a custom YOLO-based object detection model for banking use cases.
- Built a signature extraction and verification model that generates similarity scores to detect forgery, reducing manual verification effort and increasing customer trust.
- Developed GAN-based models to generate synthetic images and tabular data for training and testing purposes.
- Collaborated with cross-functional teams to build a client due diligence engine for validating customer credibility prior to onboarding.
- Played a key role in developing in-house products that replaced third-party tools, resulting in millions of dollars in annual licensing cost savings.
- Designed and developed an Aadhaar redaction engine to securely mask and store PII in compliance with government and banking regulations.
- Owned end-to-end deployment of team components using Azure DevOps (ADO), including code changes, peer code reviews, full pipeline verification.
- Involved in High-Level Design (HLD) and Low-Level Design (LLD) of most of the core features we developed and delivered.

Infosys   2019 – 2022
Technology Analyst
- Extensively worked with Goldman Sachs Asset Management division, managing global clients and handling super-critical alerts that were essential for business continuation.
- For Goldman Sachs, provided POC of a model to identify critical alerts which would have high business impact and has a potential to bring in a loss to the clients
- Collaborated with cross functional teams, documented the critical processes and built automated flows to handle alerts in-case of failure.

EDUCATION

Visvesvaraya Technological University, Karnataka   2018
Bachelor of Engineering (E & C)   **78%**

SKILLS

- Programming: Python, SQL
- Deep Learning: TensorFlow, PyTorch, Keras
- GenAI & LLMs: LLM Fine-tuning, MCP Servers, Multi-Agent Systems
- Machine Learning: CNN, RNN (LSTM, GRU), GAN, XGBoost
- Data & Cloud: Pandas, NumPy, AWS, Dataiku