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### **Professional Summary**

Certified **AI/ML and Cloud professional** specializing in **AI Ops**, **ML Ops**, **LLM Ops**, and **Agentic AI** systems. Proven expertise in deploying scalable **cloud-native AI solutions** using **AWS SageMaker**, **Google Vertex AI**, and **Azure Machine Learning**. Skilled in **LLM fine-tuning**, **prompt engineering**, and building **end-to-end CI/CD pipelines** for efficient AI workflows. Experienced in managing AI-driven projects, ensuring business impact through innovative solutions and seamless cloud integration.

### **Certifications**

* Project Management Professional (PMP)
* AWS Certified Machine Learning Engineer
* Google Professional Machine Learning Engineer
* Certified Scrum Master (CSM)
* Stanford University Machine Learning Certificate
* Google Generative AI Professional Certificate
* IBM AI Engineering Professional Certificate

### **Categorized Skills**

**Cloud Platforms:** AWS (SageMaker | Lambda | Bedrock | EC2 | S3) | Google Cloud Platform (Vertex AI | BigQuery) | Microsoft Azure (Azure Machine Learning | Cognitive Services) |

**AI/ML Tools and Frameworks:** TensorFlow | PyTorch | Hugging Face Transformers | LangChain | OpenAI API | Stable Diffusion | Scikit-learn | **NLP and LLM Tools:** GPT-4 Fine-Tuning | Sentiment Analysis | Summarization | ChatGPT Integration | Token Optimization | LangChain Agents | Vector Databases (Pinecone | Weaviate)  
**DevOps and Infrastructure:** Docker | Kubernetes | CI/CD Pipelines | Jenkins | Terraform | Infrastructure as Code (IaC)  
**Data and Reporting Tools:** SQL | Power BI | Tableau | Pandas | Numpy  
**Methodologies:** Agile (Scrum | Kanban | SAFe) | SDLC | Iterative Development  
**Programming Languages:** Python | SQL | JavaScript

### **Work Experience**

**Machine Learning Engineer Intern  
Iter Innovandi, Toronto, ON  
January 2023 – Present**

* Designed and deployed **Agentic AI systems** leveraging **LLMs** and **LangChain agents** to automate enterprise workflows, increasing efficiency by 30%.
* Developed **AI-powered video synthesis tools** using **GANs** and **diffusion models**, increasing engagement by 25%.
* Built and optimized **CI/CD pipelines** for ML Ops, reducing model deployment time by 30%.

**AI Project Associate  
Lambton College, Toronto, ON  
December 2022 – November 2023**

* Built summarization pipelines using **LangChain** and **Google Vertex AI**, reducing analysis time by 30%.
* Developed **cloud-native healthcare diagnostics tools** leveraging **CNNs** on **Azure Machine Learning**, achieving 90% accuracy.

**AI Development Assistant  
Entiretyin Pvt Ltd, Hyderabad, India  
August 2019 – May 2023**

* Created conversational AI systems using **ChatGPT** and **Hugging Face Transformers**, improving customer response times by 40%.
* Migrated legacy applications to **AWS**, optimizing performance using **S3** and **EC2**.

### **Education**

**Post Graduate in Advanced Project Management & IT**Lambton College, Toronto, ON | **2023 – 2024**

**Bachelor of Engineering in Electronics and Communications Engineering**Anna University, Chennai, India | **2016 – 2020**

### **Projects**

**LLM-Based Agentic Workflow Automation**

* Designed intelligent agents using **LangChain** and **GPT-4** for automating business processes, improving efficiency by 30%.
* Integrated **Pinecone vector databases** for real-time document retrieval and decision-making support.

**Cloud-Native AI for Sentiment Analysis**

* Built a scalable sentiment analysis system on **AWS SageMaker**, leveraging **Hugging Face Transformers** for NLP tasks.

**Healthcare Diagnostics with CNNs on Azure**

* Created a diagnostic tool for disease detection using **Azure Machine Learning**, reducing diagnosis time by 40%.

**Text-to-Video Generation using GPT-4**

* Developed a pipeline converting text scripts into animated videos using **Stable Diffusion** and **GPT-4**.

**AI-Based Resume Screening Tool**

* Built an AI-powered screening tool using **GPT-4** and **LangChain**, automating applicant evaluation and reducing manual effort by 50%.