# Srivardhan Muthyala

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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 Al 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) |

Al/ML Tools and Frameworks: TensorFlow | PyTorch | Hugging Face Transformers | LangChain | OpenAl 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 Al systems leveraging LLMs and LangChain agents to automate enterprise workflows, increasing efficiency by 30%.
- Developed Al-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%.

Al 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.

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