



Neeraj Pokala

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ABOUT ME

Machine Learning Engineer (MLE) at Minfy

Results-driven Machine Learning Engineer specializing in AWS Cloud, particularly Amazon SageMaker, Bedrock, and Langchain. With a focus on developing and deploying ML algorithms, including large language models (LLMs) like Claude, GPT, and Gemini, I excel in training and tuning hyperparameters for optimal performance. Proficient in designing scalable solutions leveraging AWS infrastructure, I ensure efficient model deployment and management. My expertise extends to building innovative applications powered by LLMs to automate content generation, chatbots, sentiment analysis, and text summarization. I continuously stay updated on the latest advancements in generative AI, contributing strategic insights to drive business intelligence and enhance decision-making. Adept at collaborating cross-functionally, I am seeking opportunities to apply my technical proficiency and strategic insights to cutting-edge projects.

WORK EXPERIENCE

01/10/2023 – CURRENT Hyderabad, India

MACHINE LEARNING ENGINEER MINFY TECHNOLOGIES

Working as Machine Learning Engineer Responsible for developing and deploying machine learning models on AWS infrastructure, leveraging cloud-based services to solve real world problems

05/12/2022 – 31/07/2023 Chennai, India

DATA ANALYST TRAINEE ERNST AND YOUNG

Working as a **Data Analyst** at **EY**, where I actively participated in audit procedures for esteemed clients such as **Tata, Adani, JSW, Siemens, Rolex, Olam Etc.** My contributions to the data analytics team were recognized with a Kudos award for my exceptional commitment towards delivering excellence.

04/07/2022 – 20/11/2022 India

DATA ENGINEER INTERN RENAULT NISSAN

As a Data Engineer Implemented data storage solutions, including storage accounts, database storage, and file storage, and Design, deploy, and manage Azure cloud solutions.

EDUCATION AND TRAINING

20/06/2019 – 05/05/2023 India

BACHELOR OF TECHNOLOGY (BTECH) kalasalingam university

Address Krishnankoil , Rajapalayam , Tamil Nadu, 626126, India | **Field of study** Electronics and communication engineering |

Final grade With Average CGPA 9.18

DIGITAL SKILLS

Data Science

sentiment analysis | Amazon Bedrock | Large Language Models | Amazon SageMaker | machine learning | Langchain | Stable Diffusion | Python | Amazon S3 Bucket

Machine Learning Frameworks

PyTorch | TensorFlow | Scikit-Learn

Cloud Platforms:

Microsoft azure | AWS (Amazon Web Services)

Large Language Models

Gemini | GPT | Claude | Hugging Face

ADDITIONAL INFORMATION

LICENSES & CERTIFICATIONS

21/10/2023 – 21/10/2026

AWS Certified Machine Learning - Specialty

Credential URL: https://www.credly.com/badges/80a392ff-e9e8-49bd-be0f-3150f476ccfb/public_url

05/02/2024 – 06/02/2025

Microsoft Certified: Azure AI Engineer Associate

<https://learn.microsoft.com/en-us/users/neerajpokala-0552/transcript/7345lf8gn8pzxgr>

Microsoft Certified: Security, Compliance, and Identity Fundamentals

Credential URL: https://www.credly.com/badges/bdcb3b97-4be1-4cc3-b493-59ca79c374dc?source=linked_in_profile

14/01/2023

Microsoft Certified: Azure Fundamentals

Credential URL: https://www.credly.com/badges/55de0232-ef39-4530-90e2-5c7c29789ab0/linked_in_profile

25/10/2023 – 25/10/2025

Oracle Cloud Infrastructure 2023 Certified Data Science Professional

Credential URL: <https://catalog-education.oracle.com/pls/certview/sharebadge?id=8E7ACC8DEB51821CC429013CB415F4C50E5CD96A42EE4276C22D80DD7A7D540F>

PROJECTS

16/10/2023 – CURRENT

Text to video Generator *Associated with Minfy Technologies*

Pioneering a Text-to-Video Generator, working on Stability AI and large language models to seamlessly translate textual content into dynamic visual narratives. This ML engineering project combines cutting-edge techniques, ensuring stability and coherence, while harnessing the power of language models to generate engaging and impactful videos with precision and creativity.

12/11/2023 – CURRENT

RAG-Enhanced Question Answering *Associated with Minfy Technologies*

we are using RAG (Retrieval-Augmented Generation) as a transformative use case for ML projects, seamlessly blending information retrieval and language generation. Harnessing the power of large language models, RAG enhances context-aware content generation, question answering, and summarization, offering a dynamic approach to leveraging vast knowledge repositories for more accurate and contextually relevant results.

10/05/2023 – 05/07/2023

Sentiment Analysis *Associated with EY India*

This machine learning project entails analyzing text data to determine the sentiment (positive, negative, or neutral) expressed in messages, reviews, or social media posts, enabling businesses to gauge public opinion and make data-driven decisions.

17/12/2021 – 29/04/2022

Crop Prediction with machine learning *Associated with Kalasalingam University*

Website link: <https://share.streamlit.io/neerajpokala143/crop-prediction/crop.py>

Resume ATS Scanner Resume analysis and skills advisor is to find the best candidates for a position which makes the hiring team very useful to find the best person for the given job description

Website link: <https://resume-ats-scanner-np.streamlit.app/>

PUBLICATIONS

Machine Learning Algorithms for Crop Yield Prediction in Real-Time Scenarios – 2023

<https://ieeexplore.ieee.org/document/10126011>

An Efficient Real-Time Indian Sign Language (ISL) Detection using Deep Learning – 2023

<https://ieeexplore.ieee.org/document/10142596>
