Abhishek Kadam (2.1 Years)

Role - AI/ML Engineer

CV Highlights

- Skilled AI/ML Engineer with experience specializing in machine learning , large language models (LLMs) and Computer Vision with experience across the ML pipeline from data processing to deployment.

Primary Skills

Skill	Experience	Level
CNN	1.0 Years	Intermediate
Computer Vision	1.0 Years	Intermediate
Chatbot	1.0 Years	Intermediate
NLP	1.0 Years	Intermediate
Prediction / Forecasting	2.0 Years	Intermediate
OCR	1.0 Years	Intermediate
Machine Learning	2.0 Years	Intermediate
Deep Learning	2.0 Years	Intermediate
LLM	1.0 Years	Intermediate
Ai agents	1.0 Years	Beginner
OOPS	2.0 Years	Intermediate
Python	2.0 Years	Intermediate

Secondary Skills

AWS, Agentic Ai, Docker, FastApi, Flask, Lang Graph, MLOPs, MySQL, Nginx, NumPy, Pandas, REST API, Statistical Models, Tensorflow/Pytorch, Unicorn

Tools

Git
Gitlab

Methodology / Concepts

Agile

Seniority

Communication

- Communicate with team

Engineering Excellence

- Good at Code Debugging
- Good at Code Refactoring

Direction

- Can give suggestion to improve feature(s)
- Can give suggestion to improve codebase

Project Impact

- Can own feature
- Can own module

Projects

AI Image Enhancement Toolkit
Team Size: 3

Developed a comprehensive AI-powered image enhancement toolkit that combines state-of-the-art inpainting, outpainting, and face restoration capabilities. The solution leverages OpenAI's DALL·E API for content-aware image repair and extension, and integrates CodeFormer for advanced face enhancement and upscaling. The toolkit features both a user-friendly web interface for interactive editing and a command-line workflow for advanced and batch processing.

Technologies:
 Python,OpenCV, OpenAI API, CodeFormer

Skills: Python | Computer Vision

Duration: 0 Year(s) 6 Month(s)

AI-Powered Minecraft Mod Generation
Team Size: 4

Developmed an innovative AI system aimed at accelerating Minecraft Forge mod creation. This dual-strategy project explored:

LLM Fine-tuning: Fine-tuned DeepSeek-Coder-v2-instruct on a large dataset of idiomatic Minecraft Forge Java code, utilizing GPUS and advanced techniques to overcome long sequence limitations.

Retrieval Augmented Generation (RAG): Designed and implemented a robust RAG pipeline, integrating vector databases and LLMs to generate contextually accurate and functional mod code from comprehensive documentation.

Skills: Python | NLP | LLM

Duration: 0 Year(s) 9 Month(s)

Predicting Prepayment Risk for Mortgage backed Securities
Team Size: 8

Designed and implemented a predictive model utilizing Machine Learning techniques to analyze prepayment risk associated with Mortgage Backed Securities (MBS). Leveraged Rapid Miner, to develop the model that accurately predicts the likelihood of borrowers paying off their mortgages early. By assessing prepayment risk, the model enables investors to evaluate the potential risks and rewards of investing in MBS. The insights provided by the model aid in making informed investment decisions, optimizing portfolio management strategies, and mitigating risks in the financial market.

Skills: Python | Prediction / Forecasting | Machine Learning | Pandas | NumPy

Duration: 0 Year(s) 10 Month(s)