ADITYA PANDEY

AI Developer || Software Developer || AI AGENTS

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Bangalore

Skills

AI and Deep Learning

AI Agentic Workflow • Large Language Models • LSTM • Stable Diffusion • Prompt Engineering • Generative Adversarial Networks (GANs) • Retrieval Augmented Generation (RAG)

Software Development

React • Django • Microservices • Python • GitHub • Data Strucures • Apache Kafka

Courses

React - Advance React course by Meta • AI Agents - Multi AI Agent System Course by DeepLearning and CrewAi

AI Agents Fundamentals - By HuggingFace • Getting Started with Apache Kafka and Confluent Platform on Google Cloud

Build Real World AI Applications with Gemini and Imagen • AI Agents Course - By HuggingFace

Education

B.tech - Computer Science and Engineering

Dayananda Sagar University

2021 - 2025

SGPA : 9.75 • CGPA : 8.97

12th - CBSE

Kendriya Vidyalaya Hebbal

2020 - 2021

89.2%

10th - CBSE

Kendriya Vidyalaya Hebbal

2018 - 2019

87.3%

Achievements

Secured 3rd place in an AI/ML Ideathon, Ranked 7th out of 40+ teams at Protothon, Achieved 5th rank at Aventus National Hackathon by delivering impactful AI-driven application, Received the Best MongoDB Implementation Award at Reva Hack 2023

SUMMARY

4th-year Computer Science student with strong professional experience in AI, machine learning, and deep learning. Led multiple internships specializing in Generative AI (Stable Diffusion, GANs, Large Language Models, Retrieval-Augmented Generation (RAG), LSTMs) and built scalable AI solutions. Recently explored Agentic AI workflows and Multi-Agent Systems for autonomous problem-solving. Strong passion for applying AI to real-world challenges, with impactful projects in AI-driven waste management optimization and crisis management solutions.

PROJECTS

ASL Detection

Developed a system that leverages Convolution Neural Network to interpret America sign Language

Waste Management System

Designed smart bins for waste segregation and future prediction using time series forecasting.

Leveraging Artificial Intelligence for Crisis Management

Developed an end-to-end system which can help quick response team and general public during a natural disaster which utilizes LLMs and RAG architecture.

Agri-BOT

Engineered an IoT-enabled rover for vertical farming with automated climate and growth monitoring.

WORK EXPERIENCE

Wezenite Technologies Private Limited

15 DECEMBER 2023 - 15 MARCH 2024

Deep Learning Intern

- *Led a team of interns in developing and deploying Large Language Models (LLMs) applications.*
- *Worked on training and testing LLMs to optimize performance for real-world applications.*
- *Implemented Retrieval-Augmented Generation (RAG) architecture to enhance contextual relevance.*
- *Applied prompt engineering techniques to minimize hallucinations and ensure stable outputs.*
- *Built a Streamlit-based frontend to enable seamless interaction with the deployed models.*

Certificate • Letter of Recommendation

Snive

7 MAY 2023 - 7 AUG 2023

Machine Learning Intern

- *Led a team of interns in developing and fine-tuning image generation models using Stable Diffusion and GANs.*
- *Collected, cleaned, and prepared datasets to improve model training efficiency and output quality.*
- *Applied prompt engineering techniques to enhance the accuracy of generated images.*
- *Gained hands-on experience managing large-scale models on Hugging Face and version control using Git/GitHub.*

Certificate • Letter of Recommendation