Aadarsha Upadhyaya

Full Stack Developer MERN/PERN/Python Django)

Machine Learning Enthusiast | AI Developer

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Twitter twitter.com/adars\_124

GitHub github.com/adars124

SUMMARY

Experienced Full-Stack & AI Developer with a robust background in building responsive, scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js), PERN stack (PostgreSQL, Express.js, React.js, Node.js), and Python Django frameworks. Adept at designing and implementing complex systems, both on the frontend and backend, with a solid grasp of FastAPI for high-performance APIs.

In addition to strong web development skills, I am highly experienced in AI development, particularly in building Retrieval-Augmented Generation (RAG) systems, fine-tuning large language models (LLMs), and automating workflows using AI. I have a deep understanding of machine learning, natural language processing (NLP), and model deployment, with a focus on optimizing workflows for real-world applications.

EXPERIENCE

TechyLads Maitidevi, Kathamandu

Intern

Nov, 2023 - Jan, 2024

Varicon, Lalitpur

AI Developer

Nov, 2024 - Present

EDUCATION

Khwopa Higher Secondary School Bhaktapur)

2 High School)

Mar, 2019 - Mar, 2021

Intermediate in Science

Orchid International College Kathmandu)

Bachelors of Information Management

Jun, 2021 - Present

PROJECTS

eBuk Free Book Library

eBuk Free Book Library is a comprehensive online platform built using the MERN stack MongoDB, Express.js, React.js, Node.js) along with Tailwind CSS for styling.

https://github.com/adars124/eBuk

Bulk IPO Applier and Checker

Developed a Bulk IPO Applier and Checker using Python Django and CLI. Simplified IPO application submission and status checking with an intuitive web interface and command-line tool.

Movie Booking System

The Movie Ticket Booking System, built with the MERN stack and Tailwind CSS, simplifies online movie ticket reservations. Enjoy real-time seat selection, secure payments, and a seamless user experience.

Stock Sessions Self)

Stock Sessions Website is a dynamic platform built with Next.js and Tailwind CSS, dedicated to providing stock market news, analysis, and premium features in a sleek and user-friendly interface.

Chat Bot

A simple chat bot application that you can communicate with. Built using Flask, htmx, tailwind (for styling) leveraging AI21's supercool LLM(text generation model).

https://github.com/adars124/chat-bot

Training/Certifications

Broadway Infosys

MERN Stack

2023

40 hours of professional training on MERN Stack

Amazon Web Services AWS

Introduction to Machine Learning: Art of the Possible

2024

IBM Coursera)

Python for Data Science, AI and Development

2023

IBM Coursera)

Developing AI Applications with Python and Flask

2023

HackerRank

Python Basic)

2023

Skills

Python, HTML, CSS, Javascript, Tailwind Css, python automation, MERN - Node js: Express js, mongoDB and React js, Next JS, Database Management System DBMS, Django framework, Cloud Computing, Python(Flask FastAPI, RAG (Retrieval Augmented Generation), Fine-tuning LLMs, Function Calling with LLMs, Generative AI, Cloud Computing and CI/CD.

Language

Nepali, English, Hindi, Spanish

References

Govinda Gautam - Consultant

Xtreminds IT Solutions

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