



Mohammed Ashraf

Machine Learning And Backend Engineer

Seasoned machine learning and backend engineer with 4 years of experience in creating and deploying machine learning models, and designing scalable backend systems. Skilled in multiple programming languages and frameworks, including Python, TensorFlow, FastAPI, and Flask. Possesses a deep understanding of data structures, algorithms, and software design principles. Demonstrated ability to work both independently and collaboratively to deliver reliable software solutions.

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SKILLS

Python

FastAPI

Flask

MongoDB

Docker

Machine Learning

Data science

AWS

Azure

NLP

Generative AI

Prompt Engineering

LangChain

chainlit

Deep Learning

WORK EXPERIENCE

Tech Lead

Bighiveinnovate technologies pvt ltd

07/2022 - Present

Gurugram, India

SalesSunday.com We turn sales into a game and improve sales with our intelligent sales solution that works on ML and Data science.

Achievements/Tasks

- Implemented cutting-edge machine learning and LLM (Large language model) techniques to streamline sales and operations processes, resulting in a 30% increase in efficiency.
- Collaborated closely with the sales and operations teams to identify pain points and design solutions that enhanced customer experience and optimized internal workflows.
- Developed custom algorithms and models for sales forecasting, demand planning, and inventory optimization, leading to a 25% reduction in costs and improved inventory management.
- Oversaw the integration of third-party APIs and tools to enhance platform functionality and extend its capabilities.

Lead Machine Learning Engineer

Wobb.ai

09/2021 - 05/2022

India

The platform for marketers to find and work with influencers

Achievements/Tasks

- Building the influencer discovery system: This system uses various data sources, including social media profiles, engagement rates, and audience demographics, to identify the best possible matches for a particular campaign.
- Establishing an Efficient MLOps Pipeline: To optimize the performance and reliability of our influencer classification system, I have established a comprehensive MLOps pipeline.
- Building a Robust Machine Learning Model API: This versatile API seamlessly integrates with web and mobile applications, empowering our users with accurate predictions and tailored recommendations based on our sophisticated machine-learning models.
- Establishing an Efficient MLOps Pipeline: This encompasses ongoing monitoring and fine-tuning of machine learning models, automation of data collection and preprocessing tasks, and seamless deployment of the system at scale, guaranteeing its smooth and efficient operation.
- Developing a High-Volume Web Scraper: I have engineered a robust web scraper capable of efficiently extracting data from a staggering 30,000 influencer profiles daily.

WORK EXPERIENCE

Co-Founder

Frejourn.com

01/2019 - 06/2021

Location-Based News Social Media.

Achievements/Tasks

- led the development of the backend infrastructure for the Frejourn, ensuring robustness, scalability, and security to support its rapid growth.
- Implemented a custom-built location-based algorithm that enhances user experience by providing tailored recommendations and personalized content based on user location data.
- Designed and developed a recommendation system that utilizes machine learning techniques to analyze user preferences and behavior, resulting in a 20% increase in user engagement and retention.
- Oversaw the integration of third-party APIs and services to enhance platform functionality, including payment gateways, social media integrations, and data analytics tools.
- Managed a user base of 15,000 registered users, monitoring platform usage patterns and optimizing server resources to handle peak traffic periods efficiently.
- Successfully scaled the platform to handle an average daily traffic of 5,000 users, ensuring uninterrupted service and a seamless user experience.

EDUCATION

MS(Computer Science)

REVA University

08/2108 - 02/2020

Bangalore,India

BCA(Big Data Analytics)

Jain University

06/2015 - 06/2018

Bangalore,India

PERSONAL PROJECTS

Agricultural crop production prediction analytics and crop recommendation

- Use machine learning techniques to Predict crop production and crop recommendation based on your geography.

Fake News Detection

- Use Machine Learning classification for fake news detection on social media post

LexiAnalyzer

- Lexicon-based Sentiment Analysis Made Easy LexiAnalyzer API offers a seamless way to integrate lexicon-based sentiment analysis into your applications.

Krissi ChatBot

- This Chatbot helps farmers make informed decisions by leveraging the power of LLM Model from OpenAI.
- It is a Both Text and Voice Based Chatbot for better use.

Real Time Face Mask Detector Using OpenCV And Tensorflow

- A cutting-edge system leveraging computer vision and deep learning to detect masks instantly. Enhancing public safety and health by analyzing live video streams or images, it ensures compliance with mask-wearing regulations.

Twitter Sentiment Analyzer

- Utilize TensorFlow and NLP techniques to analyze Twitter data, uncovering sentiments in real-time for valuable insights into public opinion

Crop Disease Classification

- The "Crop Disease Classification Using VIT Project" is a groundbreaking endeavor that leverages Vision Transformers (VIT) to address the critical issue of crop diseases. By harnessing the power of VIT, this project offers an advanced solution for accurately classifying and identifying diseases in crops.

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Odia

Full Professional Proficiency