Shubham Kumar

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Skills

Machine Learning, Deep Learning, AI techniques, NLP, Text Classification, Text Summarization, semantic search, Tensorflow, Pytorch, Python, CI/CD pipelines, OpenCV, Cloud Platforms, Reinforcement Learning, Optimization Algorithms, Genetic Algorithms

Proficiency in Deep Learning algorithms, NLP techniques, and model deployment on cloud platforms is essential for solving complex business problems using AI/ML solutions.

Interests

Technology exploration, Continuous learning

Machine Learning, Deep Learning, AI-based Business Solutions, Model Deployment, Cloud AI Platforms, Natural Language Processing, Computer Vision, Model Optimization, AI Ethics, Scalable AI Systems

Exploring the intersection of technology and humanity

Languages

Python

I have an intermediate-level proficiency in Python, a versatile language known for its simplicity and powerful libraries for AI, ML, and data science applications.

English

I have intermediate-level proficiency in English, with strong communication skills in both written and spoken forms, enabling effective articulation of ideas, technical concepts, and business solutions.

Profiles

Shubham Kumar

Summary

A highly motivated and technically adept professional, I hold a degree from DIT University (Class of 2020) with a strong passion for Machine Learning, Artificial Intelligence, and Deep Learning. Proficient in Python, I have hands-on experience with a wide range of AI/ML frameworks like TensorFlow, PyTorch, and NLP techniques. My expertise extends to designing and deploying deep learning models, optimizing model accuracy, and leveraging cloud computing environments for scalable AI solutions. I'm always eager to explore the latest advancements in AI, constantly refining my skills to deliver impactful business solutions

Education

DIT University — 2016- 2020

Mechanical engineering — Btech

IIIT Hyderabad — 2023-2024

Artificial intelligence and Machine learning (Computer science) — Post graduation executive training

81%

Projects

NLP Text Classification Model

- Developed a model to classify customer feedback into categories (e.g., positive, negative, neutral) using **TensorFlow** and **SpaCy**.
- Improved model accuracy by 15% through feature engineering and **hyperparameter tuning**.

Image Recognition System

- Designed and deployed an image classification system using Convolutional Neural Networks (**CNN**) with **TensorFlow**.
- Achieved an accuracy of over **90%** in identifying and categorizing images from a dataset.

Speech-to-Text Conversion Tool

- Created an application that converts speech into text using deep learning models for natural language processing.
- Implemented using PyTorch and integrated into a web application via REST APIs.

Face Detection System

- Built a face detection system using deep learning algorithms, leveraging **OpenCV** and **TensorFlow** for real-time face identification.
- Optimized the system for performance on edge devices, achieving high accuracy and low latency in detection.