Yash Deep

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SKILLS

- **Programming Language:** : Python, C/C++, HTML, CSS, Javascript, Java
- **ML Frameworks:** Tensorflow, PyTorch, LangChain, Hugging Face, Flask, AWS
- **DevOps Frameworks:** Linux, Bash, Docker, Serverless, Git, Ansible, CI/CD Jenkin, Terraform, Kubernetes
- **Computer Science Fundamentals :** OOPS, DBMS, Data Structures and Algorithms, Operating system

EXPERIENCE

Neolen, *AI Developer*   Delhi, 10/2022 - 12/2022

- Spearheaded the development of multiple ML models utilizing machine learning techniques.
- Engineered and crafted hybrid machine learning model using tensorflow and PyTorch, resulting in successful and scalable solutions

EDUCATION

Ajay Kumar Garg Engineering College
Dr. A. P. J. Abdul Kalam Technical University, Lucknow   2020 — 2024
Bachelor of Technology in Information Technology   CGPA 8.30

Little Flower School, Gorakhpur   2019 — 2020
Intermediate, ISC   Percentage — 91%

PROJECTS

Question-Answering Hub using LangChain   GitHub

- Developed and deployed a Flask-based web application, integrating LangChain library for question-answering functionality with document retrieval using OpenAI embeddings and Chroma vector store.
- End-to-End Deployment of Flask Web Application with Docker Compose, Kubernetes, and EC2

Doctors' Handwriting Recognition using CRNN   GitHub

- Engineered a machine learning model to digitize doctors' handwriting and make it easily readable for the general public.
- Designed and implemented the backend architecture using Flask, containerized it with Docker and deployed it via Kubernetes, exposing the service and ensuring scalability.

Spatio-Temporal Classification of Basketball Actions using 3D-CNN   GitHub

- Applied 3D Convolutional Neural Network for spatio-temporal classification of basketball actions and achieved accuracy of 92.34%.
- Utilize video data to capture both spatial and temporal features, enabling accurate recognition of dynamic movements such as shooting, dribbling, and passing.

Station Language Translator using Tranformers   GitHub

- Led the development of a multilingual railway information system, integrating voice recognition, overcoming language barriers, and ambient noise challenges
- Designed and implemented the backend architecture using FastAPI and executed efficient Docker deployment on EC2.

ACHIEVEMENTS

- Winner of Asia's biggest Hackathon Smart India Hackathon 2022 having 40000 team's participations and 500+ problem statement.
- Selected as finalist for Asia's biggest Hackathon Smart India Hackathon 2023 for Problem Statement given by Ministry of Railway.
- Research Paper entitled **Growth and Impact of Social Media** in the Prestige Institute Of Management And Research XVII International Conference.
- Ranked top 22.08% on LeetCode platform, demonstrating strong problem-solving skills and algorithm proficiency with 300+ problems and 1600+ rating.

CERTIFICATIONS

- The Complete Neural Networks Bootcamp: Theory, Applications by Fawaz Sammani.
- AWS Lambda and the Serverless Framework - Hands On Learning! by Paulo Dichone
- DevOps Beginners to Advanced with Projects – 2023 by Imran Teli.
- Successfully completed the Personality Development Program offered by TPC Global, enhancing my personal and professional skills to excel in various aspects of life.
- Database Management System with Infosys Springboard.