Rohit Kumar

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EDUCATION

Sarala Birla University   **Ranchi ,Jharkhand**
B.Tech in AI (Artificial Intelligence)   *11/2021 - 04/2025*

TECHNICAL SKILLS

Programming Languages: Python, C++,C,Java,Javascript,C sharp
Libraries and Tools: Tensorflow,HuggingFace,Langchain, PyTorch, Sklearn, Pandas, Numpy, OpenCV, LLM, flask, react, NLP, nodejs, android app, sql, etl, IOT, eps32, arduino, Git, firebase, mongodb, Linux, Neural network, cude, no sql, Docker
ML Architectures: CNN, YOLO, Transformers(BERT, LSTM)

WORK EXPERIENCE

Data Engineer   **remote-internship**
Taiyo.ai, San Francisco california, USA   *06/2022 - 09/2022*

- Conduct web scraping to extract data from both the World Bank and IADB etc websites
- Python scripting in oops (object oriented programming) and establishment of a robust data pipeline for seamless integration with Google Cloud.
- Data Preprocessing,data analysis using Pandas and NumPy, matplotlib,seaborn.

Prompt Engineer
Scale AI, remote   *09/2023 - 02/2024*

- Review LLM model code generation Data science and ML training expert improved prompt generative AI model for better performance.

PROJECTS

- **AI ResumeRover (LLM langchain) (09/2023)** Functionality: A platform for HR to upload and manage hundreds of resumes simultaneously. Enabled HR to filter resumes efficiently based on project needs and employee. Technology Stack: Langchain and fine-tuned with OpenAI and FAISS , Python , Streamlit Video show case   GitHub
- **Data Science QuickFlow (11/2023)** Developed a web tool for a data scientist using Flask,React,Tailwind CSS,Pandas,and NumPy.This platform enables data scientists to perform all data preprocessing task,feature selection, and machine learning model training tasks without writing code. It supports 17 regression and 20 classification algorithms and code generationVideo show case   Github
- **MedDiag: AI-Powered Disease Diagnosis and Doctor Report Summary (02/2024)** Developed a web app that predicts disease types from images using deep learning with CNN. It supports three types of images: bone fractures, skin diseases, and CT scans of brain tumors. The site classifies the disease, displays symptoms, describes the condition, and suggests precautions.it also summarize doctor report cards for easier understanding.
- **(Reinforcement Learning) AI Maze Solver: Q-Learning Project (03/2024)** Created a maze game where an AI agent navigates towards the goal using the Q-Learning Algorithm.Developed entirely from scratch in Python pygame video show case   Github
- **Speech Emotion Detection (08/2023)** Created a website capable of analyzing user speech to predict their emotional state. The system can classify emotions such as anger, surprise, happiness, sadness, disgust, crying, and normal emotion Check out!
- **Object Detection from Scratch YOLO (01/2024)** Build end-to-end Pileline to preprocess data and Train and test the model and Realtime Object Detection Tensorflow,numpy,matplotlib,opencv Check out!
- **Codeddit App** Developed a community app for developers (8k+ download) Codeddit App -Playstore

EXTRACURRICULAR ACTIVITIES

Samsung Solve for Tomorrow

CSR FITT , Delhi 06/2023

- Achieved a remarkable ranking in the Top 30 among more than 70,000 participants for developing an innovative mobile application that provide instantaneous solutions and support to a developer   Laper App -playstore

Ranked Top 5 in Anveshana

Synopsys , Delhi 02/2024

- Developed a live IoT project utilizing ESP Cam, Arduino, and machine learning for train accident prevention Implemented obstacle detection and drowsiness detection for the train driver, resulting in winning cash prize and goodies in a competition