Rohit Krishna

Data Scientist

Well experienced in building data-intensive applications in diverse industries. Capable of developing and deploying adaptive applications for impactful business outcomes. Eager to tackle new challenges.

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PROFESSIONAL EXPERIENCE

Software Developer Intern, iDataLytics

October 2023 - Present

RECENT PROJECTS

Deep Learning Framework with GPU Support

A PyTorch inspired, basic Deep Learning Framework; built on top of an Reverse-Mode AutoGrad Engine.

Human Background Segmentation

Segmenting peoples from its background, which can be used for background replacement service for video streaming applications.

Movie Recommendation System

A content based movie recommendation system, Used cosine similarity to find similar items.

GridGuid - Sudoku Detector & Solver

An Android application in which users can scan any Sudoku board to automatically capture the board configurations and lets users play intuitively.

OTHER WORKS

Image Processing Algorithms

Implemented computer vision (image processing) related algorithms in just pure Python code without using any library (from scratch).

Convolutional Neural Network (CNN) Architectures

Implemented some of the famous CNN Model Architectures using PyTorch in Python.

Machine Learning Algorithms

Implemented most of the Machine Learning Algorithms in Python using just the Numpy Library.

SKILLS

- Machine Learning
- Deep Learning
- Computer Vision
- Mobile/Web Development
- Web Scraping
- Python, C/C++, JS, Bash
- Flutter, Dart
- SQL (MySQL, SQLite)
- Write Technical Articles

LIBRARIES

- TensorFlow, PyTorch, Keras
- Scikit-Learn
- Pandas, Numpy, Matplotlib
- OpenCV, Scikit-Image
- Flask, etc..

OTHER SOFTWARES/TOOLS

- AWS (EC2, S3)
- Version Control (Git)
- RegEx, XPath

EDUCATION

PKMM Higher Secondary School, Edarikode