RUDRA PRATAP SINGH RANAWAT

+91 7823087551   Mail   GitHub   LinkedIn   Portoflio

TECHNICAL SKILLS

Frameworks and Modeling Tools: TensorFlow, PyTorch, Scikit-Learn, OCR, LLM, Keras, Matplotlib, Tesseract, SciPy, OpenCv.

Programming: Python, C++, SQL

Certifications: Introduction to TensorFlow for AI, ML, and DL - Deeplearning.AI, Applied Machine Learning - University of Michigan, Deep Learning A to Z - Udemy

PROFESSIONAL EXPERIENCE

Made For Solution, Founder   Nov 2023 – Current

- Founded service-based company to provide specialized Machine Learning, Data Analytics, Deep Learning solutions
- Received favorable feedback on sales and services provided to valued clients such as Balaji Enterprise, Uma Agro, Mayur Traders, and others.
- Link : www.madeforsolution.com

Samta Info Tech Pvt.Ltd, Machine Learning Engineer - Intern   Apr 2023 – May 2023

- Responsible for developing various computer vision models
- These sub-projects included Image Similarity (utilizing ResNet50, VGG16, and Cosine Similarity), Face Mask, Detection, and Hand Wave counts

Pucho Digital Health Inc., Deep Learning Researcher - Intern   Jun 2022 – Aug 2022

- Developed a model which helped in covid detection using digital vocal bio marker on the basis of clinical trials
- Utilized various Deep Learning algorithms for prediction using more than 100 of datasets, data set visualization, and other tasks

PROJECTS

OptiML: Optimal Machine Learning Toolkit   Nov 2023 – Jan 2024

- Developed DataVizML, a tool that simplifies data analysis for users by automatically choosing the best machine learning method with maximum accuracy while cleaning and visualizing CSV or Excel files.

  Link: OptiML: Optimal Machine Learning Toolkit

Red Light Eye   May 2023 – Jul 2023

- Developed an ML-based system for automatic detection of number plates on vehicles violating red lights, enabling efficient and reliable traffic management, giving the accuracy of 89%.

  Link: Red Light Eye

RESEARCH WORK

ICCNSML 2023, PSIT, Kanpur: Researcher   Jun 2023 – Nov 2023

- Authored a ground-breaking study titled "Privacy and Security in Bio-Inspired Computing for Diabetic Retinopathy Detection using Machine Learning." Pioneered Quantum Encryption and One-Time Padding for strong dataset protection, paired with sophisticated Machine Learning Algorithms. With Ridge Classifier CV, achieved an 83% accuracy from the current 78%, enabling safe medical AI applications. This expands upon my past work.

Achievements

- Secured All India Rank – 3 in Hackathon
- Got Platinum Shakti for MMA, 3 Years non – Beatable fighter
- Boxing National Gold

EDUCATION

B.Tech, Computer Science and Engineering with Specializations in AI and ML   Graduating Sept 2024

Vellore Institute of Technology, Bhopal