PRATIK PANDAB

WORK HISTORY

Data Scientist, 05/2020 to 07/2020
Excelerate AI - New Delhi

- Led design and engineering of social distancing tracker, contact-less attendance with facial recognition
- Designed an adaptive threshold technique to reduce false-positives by 80% in social-distancing tracker
- Implemented similarity-based facial recognition approach to scale efficiently when new employee is added
- Improved processing speed on video streams to handle up to 140 fps

Machine Learning Intern, 06/2019 to 08/2019
Career Launcher - New Delhi

- Designed an efficient stock market portfolio for client, using Modern Portfolio Theory, Capital Asset Pricing Model, and Beta-Analysis
- Increased the profit per market risk by 20% using Sharpe ratio
- Prototyped a Stock trend prediction model using recurrent neural networks & LSTMs to help make business decisions

EDUCATION

Bachelor of Technology, **Computer Science & Engineering**, **Expected in 06/2021**
Samrat Ashok Technological Institute - MP, IN

- Event Coordinator at E-cell

Machine Learning Engineer Nanodegree, **Machine Learning**, **07/2020**
Udacity - School Of AI - CA, US

- Received Udacity Project Expert badge

CERTIFICATIONS

- TCS Career Edge Certified
- Deeplearning.ai Tensorflow in Practice Specialization

ACHIEVEMENTS

- Patent published on Soil Monitoring Device
- National Entrepreneurship Challenge Finalist - 2019
- Research Experience on Recommendation Systems

CONTACT

Address : Anuppur, IN 484117
Email : pratikpandav28@gmail.com

Website: pratik-1999.github.io/
Linkedin: www.linkedin.com/in/pratikpandab
Github: github.com/pratik-1999

SKILLS

- Python
- Statistics
- Cloud Computing
- Machine Learning
- Project coordination
- Computer vision
- SQL
- Statistical analysis
- Communication skills

PROJECTS

Plagiarism Detector
May. 2020 – Jun. 2020

- Link: https://tinyurl.com/plag-detect
- Processed the source text & answer text to generate similarity features like n-grams, longest common subsequence, etc.
- Optimized the model to achieve the highest possible precision at a given recall rate (90% in this case).

Soil Monitoring System
Nov. 2019 – Feb. 2020

- Link: https://tinyurl.com/soil-device
- Led a team of 10, consisting of ML practitioners and IoT developers.
- Created an IoT device to track the soil, a REST API to process the data, and a front-end dashboard to display the predictions, alerts, forecasts, etc.