PRATIK PANDAB

WORK EXPERIENCE

Data Scientist, 05/2020 to Current
Excelerate AI

- 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 the 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

- Designed an efficient stock market portfolio for the client, using Modern Portfolio Theory, Capital Asset Pricing Model, and beta-Analysis.
- Increased the profit by 20% per relative risk using the 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 - Vidisha, MP

- Event Coordinator at E-cell

Machine Learning Engineer Nanodegree, **Machine Learning**, **Expected in 08/2020**
Udacity - School Of AI

- Received Udacity Project Expert badge

CERTIFICATIONS

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

ACHIEVEMENTS

- National Entrepreneurship Challenge Finalist - 2019

CONTACT

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SKILLS

- Python
- Statistics
- Cloud Computing
- Machine Learning
- Computer vision
- SQL
- Statistical analysis

PROJECTS

Plagiarism Detector
May. 2020 – Jun. 2020

- 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

- 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.