

# PRATIK PANDAB

## CONTACT

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## ACHIEVEMENTS

- Patent published on Soil Monitoring Device
- National Entrepreneurship Challenge Finalist – 2019
- Research Experience on Collaborative Filtering & Information retrieval
- Received Udacity Project Expert Badge

## SKILLS

- Python
- Statistics
- Machine Learning
- Computer Vision
- SQL
- Javascript
- Cloud Computing
- Communication Skills
- Web Scraping

## CERTIFICATIONS

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

## WORK EXPERIENCE

### DEEPLAGIC AI

2020 | DATA SCIENCE INTERN

- Led the design and engineering of social distancing tracker, contact-less attendance with facial recognition.
- Developed an adaptive threshold technique.
- Reduced false-positives by 80% in social-distancing tracker.
- Improved processing speed on video streams to handle up to 140 fps.

### CAREER LAUNCHER

2019 | MACHINE LEARNING INTERN

- 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

### SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA

2017-2021 | B.TECH IN COMPUTER SCIENCE & ENGG.

### UDACITY

2020 | MACHINE LEARNING ENGINEER NANODEGREE

## PROJECTS

### STARBUCKS CAPSTONE PROJECT

2020 | UDACITY PROJECT

- Gathered insights from the Starbucks Customer dataset.
- Developed heuristics to Identify spending habits of specific demographic segments.
- Targeted certain demographics with tailored ads/offers to maximize revenue and conversion rate.
- Created a [Web App for Data Analysis](#).

### SOIL MONITORING SYSTEM

2019-2020 | APPLIED AI MODEL

- 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.