

# PRATIK PANDAB

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## HONORS/AWARDS

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- \_\_\_\_ **GCP Champ**, *felicitated as "GCP Champ" for completing 12+ labs in a quest challenge organized by Google Cloud on Kubernetes.*
- \_\_\_\_ **Facebook PyTorch Scholarship**, *received a scholarship for a learning program provided on Udacity.*

## PROFESSIONAL EXPERIENCE

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### **Deep Learning Engineer**, Eminere Tech Solutions Aug 2019 – Sept 2019

- Responsibilities included Design and Implementation of DL models for instance segmentation.
- Achieved above 96% accuracy in most cases for the desired classes.
- Used the architecture of Mask-RCNN with customizations in the FPNs and Convolution Networks.

### **Machine Learning Intern**, Career Launcher Jun 2019 – Aug 2019

- Responsibilities included Stock Market Analysis, Trend Predictions, Feature engineering.
- Designed an Efficient Market Portfolio using MPT, CAPM and beta analysis to maximize profit upon risk.
- Designed a Stock Predictor using RNNs improved using LSTMs to acquire very accurate predictions.

## PROJECTS

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### **Soil Monitoring System for efficient soil biome management** Nov 2019 – Present

- Designed a completely functional soil-monitoring system using AI, IoT, and deployed its prototype in the form of a REST API.
- The prototype tracks soil parameter, weather, etc. & generates alerts if any is above its optimal range.
- Some additional features are still to be added like message broadcasting for Govt. schemes on agriculture.

### **Recommendation System for efficient Information retrieval** Dec 2018 – May 2019

- Designing a recommendation engine using collaborative filtering to improve the current state of this technology.
- Built heuristics to improve the predictions and weight-out similarities.
- Developed a fully-featured python library to provide access to other users working in the same field.

### **Stock Trend Predictor** Jun 2019 – Jul 2019

- The model leverages the capabilities of RNNs improved with LSTMs to achieve very accurate predictions.
- Stock movement of Google between 2012-2017 was used to train the model.
- The project also includes various analysis like SMA comparisons, Bollinger Analysis, etc. to predict the stock trend.

## EDUCATION

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### **Samrat Ashok Technological Institute, Vidisha**

- B. Tech in Computer Science and Engineering (7.6 CGPA) 2017 – 2021

### **D.A.V. Public School, Aerodrome Area, Bhubaneswar**

- Senior Secondary Certificate of Education (91.60 %) 2015 – 2017

## TOP SKILLS

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- Frameworks: Tensorflow, Flask, PyTorch
- Languages: Python, C, SQL
- Tools & Utilities: AWS, GCP, Tableau, Apache Spark, MySQL, Postgres, Heroku
- Other Skills: Statistics, REST API, MS-Excel, MS-Powerpoint, MS-Excel

## PORTFOLIO LINKS

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- LinkedIn - <https://www.linkedin.com/in/pratik-pandab-193b43143/>
- Github - <https://github.com/pratik-1999>