



# PRATYUSH KUMAR

DATA SCIENTIST

pratyushk2011@gmail.com | 8630368369 | Bangalore, India

## CAREER SUMMARY

### Tangerine.ai

Data Scientist | Aug 2019 to present

- *Creating intelligent systems to solve challenges in automotive industry*
- *Implementing research papers and building on top of existing models via transfer learning*
- *Data analysis and visualisation to supplement decision making of Product Team*
- *Development of new features and required modifications on existing ML stack*

### Torrent Power

Graduate Engineer Trainee | Aug. 2017 to July 2018

- *Analysis of electricity meter data to identify misuse/theft in residential and commercial users*

## EDUCATIONAL TRAINING

### Post Graduate Diploma in Big Data Analysis | 2019

CDAC, Knowledge Park Bangalore | 82%

### B.Tech, Electrical and Electronics Engineering | 2017

Krishna Institute of Engineering and Technology, APJAKTU | 70%

### 12th | 2012

Bishop Johnson School and College (ISC) | 78%

### 10th | 2010

Bishop Johnson School and College (ICSE) | 82%

## PROJECT DETAILS

### • Hard Driving Event Prediction

Development of a machine learning model to predict sudden Hard Accelerations and Brakes from vehicle sensor data to analyse driving patterns

### • STAG

Implementation of a paper, based on activity recognition to classify car dash cam videos under crash and non-crash categories

### • Tailgating Detection

Development of a vision based collision avoidance system working on car dash cam feed to nudge driver to avoid tailgating the vehicle ahead.

### • Trading Strategy Simulator

Simulation and backtesting of equity trading strategies to assess max drawdown, CAGR and other investment performance indicators based on past data

## SKILLS

- Machine Learning
- Deep Learning
- Data Analysis
- Python
- Tensorflow (Keras)
- Scikit Learn
- Numpy
- Pandas
- OpenCV
- SQL
- Git