NAMAN BHARDWAJ

Machine Learning Engineer | Developer

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EXPERIENCE

Machine Learning Developer

Cell Propulsion

Sept 2019 – Ongoing Bengaluru

- Working to make a intelligent platform that derives actionable intelligence / insights from vehicle's telemetry data to quantify information such as driving behaviour, battery health.
- Designed and developed the ETL pipeline for the telemetry data to power apps and ML models.
- Deployed ML model to predict speed bumps from acceleration and gyroscopic values.
- Eased the process for sending daily reports to clients by developing up a mailing-service, and a trip identification service.

ML Engineer | Developer (intern)

Smart Joules

Jan 2019 – Jul 2019 New Delhi

- Worked in System Intelligence team in an Agile development environment working towards developing - Deep learning prediction models, ML model deployment pipeline, LSTM visualization, search Bot - Joule Assistant.
- Awarded the responsibility to design and develop a virtual search bot that target to be used internally by team, decreases response time of Tech. support team and a act as a engine deliver nudges.

TECHNICAL SKILLS

Language
Python | Node.js

Database
DynamoDB | RDS | Elastic search

Cloud
Amazon cloud AWS - Lambda, S3, Lex , Elastic Beanstalk | Google cloud GCP - Dialogflow

EDUCATION

Bachelor of Technology – CSE

DIT University, Dehradun

07/2015 – 06/2019

SKILLS

Python | Machine Learning | Pandas | Deep Learning | Data Analysis | Numpy | Data Visualisation | sklearn & Scipy | AWS

PROJECTS

SearchBot-Joule Assistant

- SearchBot is NLU, NLP based search bot that identifies user's intent and responds accordingly.
- Designed Architecture for the service making it autonomous and secure.
- Developed the complete service using Dialogflow as NLU engine at the core, node.js and fastify in backend, and querying elastic search and dynamo DB database.

Daily Stock Close Price Prediction

- Investigate using machine learning in trading equities, specifically to predict equity prices of 7 – days.
- Tried and tested various ml models for achieving better accuracy metric.

Hand gestured controlled car

- Designed a machine that can respond to the human hand gestures using Arduino-UNO and is embedded with various sensors that can be studied on computer screen

Machine learning models

- Implemented various regression and classification toy models on different datasets like iris, pima Indian diabetes, housing prices etc.
- Done data preprocessing and data visualization with these datasets.

Image segmentation

- Use of mean shift algorithm for pixel clustering.

ACHIEVEMENTS/TRAININGS

- Public Relation Officer – Computer Society of India, DITU
- Machine Learning training - Acadview
- Machine Learning by Andrew Ng - Coursera.
- Python training – RCPL