Vedang Waradpande

Website | Email | LinkedIn | GitHub

EXPERIENCE

RAZORPAY | Data Scientist

Jun 2019 – Present | Bengaluru, India

- Working on Thirdwatch, a Machine Learning-based solution to tackle e-commerce fraud such as Return to Origin (RTO), promo-code abuse, account takeover, etc.
- Built an unique ML based solution for predicting if an Indian shipping address is complete enough for delivery using an ensemble of ConvNet and XGBoost and deployed it for production.
- Worked on creating an ML model which provides a confidence score for an order resulting in a Return to Origin (RTO).
- Worked on associated problems such as interpreting ML models, scaling ML pipeline, automatic model building and model deployment.

NANYANG TECHNOLOGICAL UNIVERSITY | Research Intern

Jul 2018 – Dec 2018 | Singapore

- Used Graph Convolutional Network (GCN) based models for Drug-target Interaction Prediction and Virulence Prediction.
- Used data sampling techniques to improve upon two matrix completion models based on Graph Convnets to work better on sparse bi-partite graphs.
- Studied drug-target interaction, virulence prediction and associated techniques and models such as ensembling, Random Walk, etc.
- Worked with a research group of 12 members and learned about processes associated with research.

INSTITUTE OF SEISMOLOGICAL RESEARCH | Research Intern

May 2017 – Jul 2017 | Gandhinagar, India

- Used traditional Machine Learning models such as SVM and Ensemble learning to classify ground motion signals as earthquake or blast generated.
- Created a Command Line program for this classification currently being used at the institute.
- Used Python 3 and several ML-based and Signal processing libraries such as Scikit-Learn, Obspy, etc.

PROJECTS

MOTION DETECTION USING WIFI SIGNALS | Design Project

Jan 2017 – May 2017 | BITS Pilani Goa Campus

- Based on using WiFi signals to detect sleep and stages of sleep by employing Machine Learning techniques.
- Involved collecting data and preprocessing using various signal filters.

DEVANAGARI OCR | Class Project for Machine Learning

Sep 2017 – Dec 2017 | BITS Pilani Goa Campus

- Used Convolutional Neural Networks to create an Optical Character Recognition program for Devanagari characters and used OpenCV for image processing

EDUCATION

BITS PILANI, GOA CAMPUS

B.E.(Hons.) in Computer Science
Aug 2015 - May 2020 | Goa, India
Cum. GPA: 7.82 / 10.0

PACE JR. SCIENCE COLLEGE

Higher Secondary Education
Jun 2013 - Feb 2015 | Navi Mumbai, India
Score: 89.23%

APEEJAY SCHOOL, KHARGHAR

High School
2013 | Navi Mumbai, India
Cum. GPA: 10.0 / 10.0

SKILLS

LANGUAGES AND LIBRARIES

Proficient:
Python3 • Tensorflow
Matplotlib • Numpy • Pandas
H2O • Apache Airflow
LaTeX
Intermediate:
C/C++ • Scala • Go • Java

TECHNOLOGY

Git/Github • Linux
Machine Learning • Data Science
Object-Oriented Programming • API Design

COURSEWORK

ONLINE

Deep Learning Specialization
Tensorflow in Practice Specialization

UNDERGRADUATE

Neural Networks and Fuzzy Logic
(Teaching Assistant)
Computer Networks
(Teaching Assistant)
Artificial Intelligence
Machine Learning
Data Mining
Probability and Statistics
Maths I-III
Software Engineering

OTHER PROJECTS

Activity detection in videos
Transport Scheduler