Rishabh

(+1) 9175219557
rr3591@nyu.edu

ACADEMIC QUALIFICATIONS

2019-Present **New York University**, *New York*.
MS in Computing, Entrepreneurship and Innovation, **3.66/4**

2013-2017 **Netaji Subhas Institute of Technology**, *New Delhi*.
BE in Computer Engineering, **69.40/100**

WORK EXPERIENCE

June 2017 - May 2019 **Mobikwik**, *Software Engineer*, Gurugram, India.

- Developed cashback subscription framework for merchant and marketplace merchants which lead to increase in the transactions and improved user retention.
- Developed the complete backend in Java for Physical Card. This enables a user to do the transaction from a RuPay network card at any POS and payment gateway with Mobikwik wallet balance. It helped to increase the GMV and provided a user whole range of options to transact using Mobikwik wallet.
- Developed complete Merchant settlement system, which processes settlement of 1 million plus merchants worth millions everyday.
- Work on the development of transaction APIs which enables debits and refunds from a Visa network virtual card with Mobikwik balance.
- Work on the development of REST APIs which are used for merchant related activities and work with MongoDB and MySQL. Also performed tasks related to the development of internal dashboard based on Django.

INTERNSHIPS

June 2016 - July 2016 **Airtel**, *Software Engineer Intern*, Gurugram, India.

- Worked on network scanning automation using public data and disk based data forensics.
- Developed a script for scanning a range of IP on Censys.io and performed data forensics using FTK.
- FTK/Python environment

Jun 2015 - July 2015 **Centre for Land Warfare Studies (CLAWS)**, *Research Intern*, New Delhi, India.

- Submitted a project on SMART SENSOR GRID.
- Developed a standalone QGIS application for deployment of various sensors on a two dimensional map.
- QGIS/Python environment

PROJECTS

Disease detection in leaves using Particle Swarm Optimization.

- Developed a machine learning model to identify the disease by extracting features using CNN.
- Selecting an optimal subset of features using particle swarm optimization
- Classifier was able to result in an accuracy of 97.84 when trained with optimal set of features.
- sklearn/Caffe/Python environment

Detecting Heart Abnormality using ECG with Boosting.

- Developed a machine learning model using boosting to implement a multinomial classification for different types of heart abnormalities.
- Trained the model using the UC Irvine Machine Learning Repository containing an arrhythmia data set.
- sklearn/Python environment

Facial Recognition System.

- Developed facial recognition system using deep neural networks.
- Face detection was implemented by using HOG (Histogram of oriented gradients) and was used to train a CNN to extract features
- An accuracy of (95%-99%) was achieved on the test data.
- OpenCV/sklearn/Tensorflow/Python environment

CONFERENCE

27 Nov 2018 - 29 Nov 2018 **International Conference on Machine Learning for Networking**, *INRIA Paris*, France.

PUBLICATIONS

2018 **Plant Leaf Disease Detection and Classification Using Particle Swarm Optimization** , *Rishabh, Rana, Y. and Nagpal, S. (2018)*, Lecture Notes in Computer Science, International Conference on Machine Learning for Networking, INRIA Paris, France.

SKILLS

Languages	C/C++, Python, Java
Frameworks	Tensorflow, Caffe, Spring, Spring Boot, Django
Databases	MySQL,Mongo
Tools	QGIS, FTK, OpenCV Linux, Postman

POSITIONS OF RESPONSIBILTY

NSIT Quiz Club.

- Senior Coordinator
  - Conducted various Quizzing sessions.
  - Organised NSIT Quiz Fest which is one of the largest quizzing festival in North India.

INTERESTS

- Reading, Swimming and playing Basketball.