

# SHANTANU PATIL

## SOFTWARE DEVELOPER AND AI ML PRACTITIONER

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## EDUCATION

**National Institute of Technology Delhi**  
B.Tech Computer Science and Engineering  
CGPA - 8.17

Aug. 2014 to May 2018

**Springboard AI/ML Career Track**

Mastered skills in the machine learning stack, including data wrangling at scale, deep learning, and building and deploying large-scale AI systems.

Aug. 2019 to Mar. 2020

## SUMMARY

Self motivated software developer with knowledge of financial markets and healthcare. Currently exploring big data both within industry and through individual projects. Published author on Springer. Has worked on multiple data science and AI projects right from undergraduate level. Experienced in all aspects of SDLC and knowledge of building high performance applications in java and python.

## SKILLS

**PROGRAMMING LANGUAGES:** Python, Java, Scala, C++, SQL

**FRAMEWORKS & LIBRARIES:** Tensorflow, Scikit-Learn, Pandas, Dask, TPOT, AutoML, Spark, Avro, Spring, PyMC3, Hazelcast

**TECHNOLOGIES & SERVICES:** AWS, GCP, ELK, PowerBI, Jenkins, Computer Vision, Deep Learning, NLP

## EMPLOYMENT

**TRIPLE POINT TECHNOLOGY, ION GROUP**

Software Developer

- Working on heavy throughput risk management engine
- Created Spark and Avro based Reconciliation Tool

Pune, Maharashtra, India

June 2018 to Current

**FIDELITY INTERNATIONAL**

Software Development Intern

- Worked on Investment recommendation engine for entry level fund managers

Gurugram, Haryana, India

June 2017 to July 2017

## PROJECTS

**PREDICTING FRAUD IN FINANCIAL PAYMENT SERVICES**

From a Kaggle dataset determine and build a fraud detection model for Payment Data of online users for financial services <https://www.kaggle.com/ntnu-testimon/paysim1>

**GESTURE IDENTIFICATION FROM VIDEOS**

A combination of SVM and GAN to determine gestures in groups of people to identify rioters and stone pelters via frame by frame motion capture of videos

**WIKI LANGUAGE MODEL USING LSTM**

An LSTM Neural Network for wiki topics and auto generating paragraphs for them

**FLASK BASED AWS ELASTICBEANSTALK API FOR SUPER-RESOLUTION IMAGING**

A flask API to convert your local low-resolution image to high resolution compatible with mobile browsers and fully responsive UI that gives results in real time

**LABEL LEARNING WITH LSTM AND ULMFIT**

This project scraps comments from JIRA tickets on a web portal and labels them with proper resolution taken

**MUTLILEVEL SVM FOR CANCER DETECTION**

Cancer Detection Algorithm with Hierarchical Multi modelled SVM

**SENTIMENT ANALYSIS WITH NAMED ENTITY RECOGNITION**

Find sentiment and entity names of text review using NLTK in python

**RFM ANALYSIS USING GOOGLE ANALYTICS BIG QUERY EXPORT SCHEMA**

A demonstrative RFM analysis using Big Query to understand customer segmentation

## PUBLICATIONS

**AUTHOR · Springer Publications**

Medical Diagnosis of Ailments Through Supervised Learning Techniques on Sounds of the Heart and Lungs,  
Soft Computing and Signal Processing Vol 2, 2018

## VOLUNTEERING

**BHUMI.ORG · Centre Coordinator**

PCMC School, Pune

Teaching school children basic electronics and physics

May 2019 to Current