

# SHANTANU PATIL

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Pune, India

Self-motivated individual with experience in software development and data science with knowledge of financial instruments especially in Commodity and Capital Markets.

## EDUCATION

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**B. Tech**      National Institute of Technology Delhi      May 2018  
CGPA – 8.17

**Certification** Springboard Machine Learning Engineering Career Track      March 2020

## WORK EXPERIENCE

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**Triple Point Technology, ION Group**      June 2018 to Present  
**Software Developer**

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

**Fidelity International**      June 2017 to July 2017  
**Software Development Intern**

- Worked on Investment recommendation engine for entry level fund managers

## RESEARCH EXPERIENCE / PUBLICATIONS

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

## SKILLS

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**Programming Languages**  
Python, Java, Scala

**Technologies & Services**  
AWS, GCP, ELK, Jenkins, NoSQL.

**Frameworks & Libraries**

TensorFlow, Scikit-Learn, Pandas, Dask, TPOT AutoML  
Apache Spark, Avro, Spring, PySpark, PyMC3

## **PROJECTS**

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### **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

### **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

All project Details are available here:

<https://www.linkedin.com/in/shantanu-patil-21a42b121/>

And, on Git Repo

<https://github.com/shan-96>

## **POSITIONS OF RESPONSIBILITY**

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### **Co-Convener**

TerraTechnica 2017, Annual Tech Fest NIT Delhi

## **HOBBIES**

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Teaching  
Basketball



## REFERENCES

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**Mr. Kamal Kant Sharma,**  
Director  
Amdocs  
Gurugram, India  
Email: kamal.kant@amdcs.com