

# Shrut Patel

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## EDUCATION

### **BITS PILANI**

**BE (HONS.) COMPUTER SCIENCE**

Minor in Finance

May 2019 | Goa, India

## SKILLS

**Programming Languages**

Python • Java • MySQL • Bash

HTML5/CSS3/JS • C/C++

**Frameworks/Tools**

django • git • GCP

sklearn • pandas • numpy

d3.js/plotly • Hadoop

Keras • Tensorflow

**Operating Systems**

Linux • Windows

## LINKS

[Github](#)

[LinkedIn](#)

[Kaggle](#)

[Personal](#)

## CERTIFICATIONS

Machine Learning

Deep Learning Specialization

Hadoop Platform and Application

Framework

## ACTIVITIES

University Cricket Team

Mobile Applications Club

Computer Graphics Club

## EXPERIENCE

### **AMERICAN EXPRESS | RESEARCH INTERN, BIG DATA LABS**

July 2018 – Dec 2018 | Bangalore, India

- Created a scalable text analytics platform to enhance customer understanding through descriptive and predictive modelling.
- The tool provides an exhaustive end-to-end solution, from exploratory data analysis to measuring data quality and then running machine learning/deep learning algorithms on enterprise unstructured textual data.
- Devised a methodology to recommend algorithms based on data quality which has immensely saved time while increasing efficiency

### **BITS PILANI | TEACHING ASSISTANT**

July 2017 - Present | Goa, India

- Formulated problem statements that inculcate system design principles, provided documented skeleton code and created test suites for the weekly labs in the courses Object-Oriented Programming, Database Systems, and Computer Networks.
- Engaged in tutoring and evaluating students enrolled in the courses.

### **INFIBEAM | SOFTWARE ENGINEERING INTERN**

May 2017 – July 2017 | Ahmedabad, India

- Developed an application regarding personalized health care services alongside an agile development team.
- Involved in the full-stack development of the project and responsible for collaborating with an android team to configure a common database server.
- Gained experience using the Django Framework, Google Cloud Platform and REST services.

### **CREDIT SUISSE | WORK EXPERIENCE**

May 2016 – June 2016 | London, UK

- Joined the Investment Portfolio and Analytics Team within the Group COO Function.
- Performed Data Analysis, Team Management Presentations, Document Reviews, Stakeholder Management and Internal Research Projects.

## KEY PROJECTS

### **PORTIMIZE**

A portfolio optimization tool that utilizes time series forecasting boosted with sequence models (LSTM)

### **SPAM DETECTOR**

A software to detect spam mails through URL classifications combined with a bayesian approach on the content

### **CACHE DESIGN**

Implemented a set-associative way halting cache in verilog with write-back and LRU counter policies

### **PARSERS**

Designed Lexical and Syntactical Parsers using GNU Flex and Yacc, respectively