# HARSHIT GUPTA

Sankalp III, Film City Road, Mumbai, India 400097 | harshit101998@gmail.com | +91 8652308590

## EDUCATION

**Thadomal Shahani Engineering College, Mumbai, India**                              **Expected: May 2020**
Candidate for Bachelor of Engineering in Computer Engineering.                        **(CGPA: 8.42/10)**
Relevant Coursework: Analysis of Algorithms, Data Structures, Data Warehouse and Mining, Database Management Systems, Artificial Intelligence, Machine Learning, Theoretical Computer Science, Cryptography, System Security, Operating System etc.

## PROFESSIONAL EXPERIENCES

**Xangars Solutions Pvt. Ltd., Mumbai, India**            *Intern*            **Jul 2019 - Aug 2019**
- Designed a website using Django framework and data management software for small scale businesses' real time applications using python. Scraped data from different website for the company to analyze requirements of the client companies to design the applications.
- Developed software using python and SQLite for a financial firm to maintain Income tax records and other clients' transaction records.

**Trivia Softwares, Mumbai, India**            *Intern*            **Jun 2018 - Jul 2018**
- Developed a healthcare application using Android studio's Android SDKs, Android ADTs in Java and XML to calculate BMI, TWM, FM parameters and Integrated with Firebase to maintain the record for each patient.
- Designed a health care information system using MySQL, Java Data base connectivity (JDBC) and Java to maintain records of various patients and staff members in a hospital and monitor staff's activities and assigned duties.

## SELECTED PROJECTS

**Predictive Maintenance Web Application**
- Developed a web application for Goa shipyard for preventive and predictive analysis of the machinery in Smart India Hackathon. Implemented a real time activity scheduling table which was designed using Django and python libraries and database using SQLite.
- Incorporated the Neural Network on our website to predict the approximate time of failure and schedule a maintenance.
- Showcased the project at hackathon held in Nagpur 2019, wherein received 1st position among 150 national finalists.

**Comedy Routine Analyzer**
- Performed exploratory data analysis on data collected from scrapsfromtheloft.com and performed data cleaning operation to eliminate inconsistency in data from transcript of 10 comedians while understanding subjectivity and polarity of transcripts.
- Applied sentiment analysis and topic modelling on the routine of each comedian using and python libraries and generate sentences using Markov chains.
- Incorporated data visualization techniques like word clouds and correlation matrices to represent and analyse routines.

**Emergency Services Application**
- Developed a web dashboard and android application to update about the unsafe zones and asylums nearby in the city during natural calamities using GPS tracker.
- Programmed a notifier in mobile application to update live news and messages, as well as locations of safe-zone and government aids nearby using Android Studio and Firebase.

**Doodle Recognition**
- Developed a system to recognize a doodle using the database stored on the Google cloud using CNN and LSTM.
- Analysed and sampled the data available from the Google to fetch the required attributes from the cloud and represent it visually. Designed a Deep Learning for the segregated data to recognize the doodle out of 30 different classes dynamically.
- Developed UI drawing space which allows users to sketch a doodle for comparison and analysis in python and JavaScript.

## TECHNICAL SKILLS

- Programming Languages and Web Programming: Java, C, Python, R, Scala, JavaScript, PHP, Bash, WordPress, Neo4j.
- Databases and Operating Systems: PostgreSQL, SQL, Oracle, MySQL, MongoDB, Windows, Ubuntu, MacOS, Redhat.
- Tools: Android Studio, Knime, Splunk, XAMPP, PowerBI, Spark, AWS, GIT, Tableau, Anaconda, Firebase, Hadoop, Weka.

## CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

- TSEC Hall of Fame 2020' | `Won 'Smart India Hackathon 2019', National level, at Nagpur for designing a dynamic web application using predictive model | Finished 4th in TSEC 'Code Storm' hackathon in 2018 for developing emergency services application | Represented India in football and cultural exchange programme in Winschoten, Netherlands 2013'.
- Completed following courses on Coursera, 2019 – 'Neural Networks and Deep Learning' offered by Deeplearning.ai, Prof. Andrew Ng. | 'Introduction to Data Science' offered by IBM | 'Algorithmic Toolbox' offered by UC San Diego and National Research University | 'Big Data specialisation' offered by UC San Diego, 2020 | 'AWS specialization' offered by AWS,2020.
- Completed following courses from Data Camp- 'Data Engineering', 2020 | Udemy- 'Machine Learning and Data Science Essentials', 'Web Designing', 2017 | 'Java Development', 'Android Development' from Kamal Classes, Mumbai, 2018.
- Played as Vice-Captain of Thadomal college football team and won the 'VJTI National Football Tournament 2019'. Runner-up of 'HSNC Board Football 2016'.
- Played chess and finished 10th in 'CCC 2009' | 7th in 'Oberoi International Chess 2011' | 3rd in 'Shivaji Chess 2011'.
- Volunteered for social service at 'Rally for Rivers' under Isha Outreach, beach cleaning drives under Rajani Foundation and blood donation drives under 'Tata Memorial Hospital' in Mumbai during 2017.