**Tejas Malik**
Experience in executing full life-cycle development projects; ensuring project completions within stipulated timelines, budget & quality parameters. Worked on projects, adept in at collecting, analyzing and interpreting for developing new machine learning models and performing initiatives.

7217815363                                                     tejas.malik97@gmail.com

## Profile Summary

- Currently working as **Associate Professional Software Engineer at DXC Technology, Bangalore**
- Experience in full stack development like **ReactJs, HTML, CSS, Spring Boot and MongoDb**
- Experience in architecting applications with **Algorithms, Data Structures, Machine Learning, Deep Learning using Python**
- Rich experience in all phases of the **software development lifecycle** (requirements, design, development, testing, release, support), utilizing multiple development methodologies, including **Agile Model**, **Design Patterns and OOD**

**GitHub Link:**
https://github.com/TejasMalik

**LinkedIn Profile:**
https://www.linkedin.com/in/tejas-malik-8696ab160/

**Portfolio Website:**
https://tejasmalik.github.io/Website-Portfolio/

## Core Competencies

| | |
|---|---|
| **Python** | ★★★★ |
| **Java** | ★★★★ |
| **MongoDB** | ★★★ |
| **Machine Learning** | ★★★★ |
| **Django** | ★★★ |
| **Deep Learning** | ★★★ |
| **MySQL** | ★★★ |
| **ReactJs** | ★★★ |

## Certifications

**Java with Data Structures and Algorithms -** Coding Blocks

**Programing with Python, Data Structures and Algorithms -** NPTEL IIT Madras

**Python with Data Science -** NPTEL IIT Madras

**Lean Six Sigma Green Belt –** VarSigma

**Dell EMC Associate Data Science and Big Data Analytics v2** – Dell EMC

**Machine Learning –** Andrew Ng, Stanford, Coursera

**Neural Networks and Deep Learning –** deeplearning.ai, Coursera

## Work Experience

**Associate Professional Software Engineer – DXC Technology**                                      **July 2019 – Till Date**

- Contribution in an internal project, **Smart Shelf System for product detection** using various object detection models, planogram and text and **price detection and verification**
- Hands-on experience in using **Eclipse, Log4j, slf4j, JUnit, Mockito, Jacoco** for building, logging, testing and code coverage
- Researching, designing, implementing and managing a neural network using **TensorFlow, Keras** for an internal project within the company
- Testing and evaluating new programs and identifying areas for modification in existing programs and subsequently developing these modifications

**Highlights:**

- Executed an internal project as Data Annotator with using tools such as LabelImg for data preparation
- Recognized by managers, colleagues, and peers for innovation, communication, and teamwork to ensure quality, timely project completion

## Academics

- **B.Tech. (Electrical and Electronics Engineering)** from SRM Institute of Science and Technology, Modinagar, SRM University, Delhi-NCR in 2019 with 7.56 CGPA

## Independent Self Projects

- **Simplified Machine Learning App – Project Link**
  The following applications generates a report of a dataset with its details and accuracy of different machine learning models.
  Technology Used – Python, Flask, Machine Learning, HTML, CSS and DialogFlow
- **Amazon Clone– Project Link**
  A fully functioning web application with same functionality as Amazon like adding products, removing products, login user, register user, payment and order history.
  Technology Used – ReactJs and Firebase
- **Social Media App – Project Link**
  Web based application where in you can login, add posts, comment on posts, like on posts and add friends.
  Technology Used – Python, Django, HTML, CSS and Javascript
- **WhatsApp Chat Room – Project Link**
  The following app is a kind of Web based chat room application with google authentication and the UI is similar to that of WhatsApp.
  Technology Used – ReactJs and Firebase
- **Face Mask Detection and Alert System – Project Link**
  Model trained for detecting whether the person is wearing a mask or not, if a person is not wearing a mask, then a message would be sent via email and will alert the authorities.
  Technology Used – Python, OpenCV and CNN

## Technical Skills

**Programming Languages**: Python, Java, C, C++, Kotlin, Javascript
**Web Development**: HTML, CSS, JQuery, ReactJs, Flask, Django Spring Boot, RESTful API, JUnit Testing, Mockito, Jacoco
**Concepts:** Machine Learning, Deep Learning, Web Scraping, Object Oriented Design and Language, Data Structures and Algorithms, Problem Solving and Complexity Analysis
**Libraries:** Numpy, Pandas, Matplotlib, Sklearn, Tensorflow, Keras, Scrappy, BeautifulSoup, OpenCV
**Databases:** MongoDB, MySQL
**Tools:** Git/Github, Dialogflow, Android Studio, Firebase

## Academic Achievements

- Acquired second position (School Level) in the International Olympiad of Science 2011 in Class Ninth.
- Acquired third position (School Level) in the class in International Informatics Olympiad 2007 in Class Five.
- Acquired Campus Ambassador Award 2019 from SRM Institute of Science and Technology.
- Among Top 5% in NPTEL course for Python Data Science.

## Publications

- Malik, T., Jeeva, C., Aditya, A., Singh, R.K. Controlling the variac through Arduino with remote access control using the stepper motor. International Journal of Engineering and Advanced Technology. 8 (6): 2754-2758. 2019
- Malik, T., Bhardwaj, A., Saxena, H.K. Automated traffic light system with roadblocks using IR sensors and Arduino. International Journal of Engineering and Advanced Technology. 9 (1): 3092-3095. 2019

## Personal Details

**Date of Birth:** 24th April 1997
**Languages Known:** English, Hindi and French
**Address:** D-901, Gauri Ganesh Appts., Plot-8, Sec-3, Dwarka, New Delhi-110078