

# MEET DOSHI

## Software Development Engineer

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## EDUCATION

B.Tech in Electronics

**K.J Somaiya College of Engineering**  
**CGPA - 8.18 upto Sem V**

2018 - 2022

## EXPERIENCE

Internship

**Image Classification**

July 2019

KJSCE

- Implemented various Machine Learning Algorithms for a classification of images problem.

Internship

**Audio Recognition**

August 2019

KJSCE

- Designed an algorithm to identify songs by just a few seconds of lyrics.

Internship

**Arduino Robot Design**

June 2020

KJSCE

- Built a functioning fence following robot with automatic speed and distance control.

## PROJECTS

Object Detection and Classification

April 2021

KJSCE

- Implemented YOLO V3 architecture for object detection and classification using COCO dataset with 80 classes, TensorFlow, Keras & Darknet-53 algorithm. The model was high accurate and could detect upto 49 objects in a single image.

Face Mask Detection

April 2021

KJSCE

- Designed a CNN using Tensorflow to be deployed on an Raspberry Pi server which gave live classification on face mask detection. A static website was also created using HTML, CSS, JavaScript, Flask which gave live feed over the camera detection.

Music Notes Extraction

March 2021

KJSCE

- Wrote an algorithm on MATLAB to parse an audio file and determine its music notes which can help musicians to determine which notes are being played.

## ACHIEVEMENTS

- Secured AIR 113 in GATE Computer Science 2021 from over 1,00,000 candidates in Third Year of Undergrad.
- Department topper for Semester V with 9.95 SGPA.

## SKILLS

Algorithms DevOps iOS on Xcode  
Flutter React Native TensorFlow  
Keras React Angular Node JS  
Express JS jQuery Bootstrap  
Nginx Apache Django Flask  
Jenkins Docker Kubernetes  
Docker Swarm Puppet Ansible  
Terraform Grafana Prometheus  
ASP.NET Selenium CI/CD  
Ruby on Rails Spring Boot  
Beautiful Soup Networking  
MakeFile Linux and Unix Kernels  
Bash Scripting nmap  
Penetration Testing - Metasploit XSS  
DOS/DDOS SQL Injections  
SSL/TLS Flex Yacc OpenCV  
Verilog VHDL

## BACKEND

MySQL SQLite PostgreSQL  
NoSQL MongoDB MariaDB  
influxdb GraphQL Git Firestore  
Heroku AWS Azure IBM Cloud  
Oracle Cloud Digital Ocean

## LANGUAGES

C/C++ Java Python Swift  
Dart C# Ruby MATLAB  
HTML CSS JavaScript SASS  
PHP R GoLang Typescript

## PROJECTS

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### Zap iOS App Game

📅 November 2020

📍 KJSCE

- Implemented an iOS based app on XCode which used Firebase authentication and Firestore database. App also stored user profiles, scores and friends section.

### Quiz iOS App

📅 October 2020

📍 KJSCE

- iOS app written in Swift and built on XCode which had prebuilt questionnaire and evaluated user results and stored it on Firestore database.

### Microprocessor Design

📅 July 2020

📍 KJSCE

- Designed an 8 bit Microprocessor which can run x86 commands with dual edge triggering to increase CPI and throughput. It was written in Verilog and implemented on FPGA for testing.

## UNDERGRADUATE COURSEWORK

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- Machine Learning using TensorFlow
- Digital Image Processing
- Introduction to Machine Learning
- Artificial Neural Networks
- iOS App Development using Swift
- Computer Networks
- Advanced Networking
- Computer Organisation and Architecture
- Software Testing - Selenium