

# MEET DOSHI

## Software Development Engineer

@ meetdoshi90@gmail.com

+91 7506550568

in www.linkedin.com/in/meetdoshi90/

www.github.com/meetdoshi90

## EDUCATION

B.Tech in Electronics

K.J Somaiya College of Engineering  
CGPA - 8.15 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

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.

Zap iOS App Game

November 2020

KJSCE

- Implemented and 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.

## 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  
Selenium CI/CD Ruby on Rails  
Spring Boot Beautiful Soup  
Networking Linux and Unix Kernels  
Bash Scripting 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 Ruby MATLAB HTML  
CSS JavaScript SASS PHP R  
GoLang Typescript

## ACHIEVEMENTS

- Secured GATE Computer Science 2021 AIR 113 in Third year of Undergrad
- Department topper for Semester V with 9.95 SGPA

# PROJECTS

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## 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.