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

♥ 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

♥ 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

♀ 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

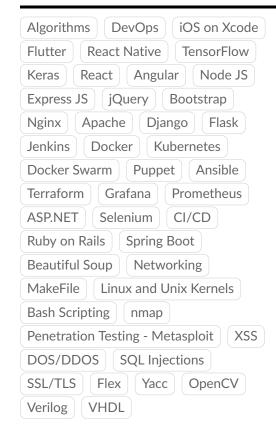
♥ KJSCE

 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



BACKEND

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

LANGUAGES

C/C++	Java		Python		Swift
Dart	C#	Ru	ıby	MAT	LAB
HTML	CSS		JavaScript		SASS
PHP	R	R GoL		Typ	escript

PROJECTS

Zap iOS App Game

Movember 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

Ctober 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

♀ 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

- 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