MEET DOSHI

Software Development | Deep Learning Roles

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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

Machine Learning Intern

June 2021 - Present

Tech Mahindra

• Worked on Recommender Systems, AutoML, pricing analytics. Delivered APIs, web interfaces and deployable models.

Internship

Self Learning Chat Bot Intern

i July 2019 - August 2019

♥ KJSCE

• Chat bot based on self learning using word vectorization, pair wise similarity. Trained on a corpus of over 100 million words.

Internship

Music Recognition Intern

August 2019 - September 2019

■ KJSCE

• Dynamic audio splitting, notes extraction, notes matching from fourier transform. Implemented on MATLAB.

PROJECTS

Face Mask Detection

April 2021

KJSCE

 Raspberry Pi server hosting a CNN model which gave live classification on face mask detection. A web interface was also created using HTML, CSS, JavaScript, Flask which gave live feed over the camera detection.

Youtube Recommender System

July 2021

Tech Mahindra

A web interface providing video and advertisement recommendation.
Statistical analysis and Apriori rules. Web scrapping. Targetted recommendations.

Opensource AutoML

i July 2021

▼ Tech Mahindra

 Object detection, Image classification and Macine Translation services provided over a REST interface.

Cab Customer Segmentation and Pricing Analytics

June 2021

■ Tech Mahindra

Providing cab booking and other services over multiple platforms.
Learning customer segmentation and pricing analytics to predict optimal prime times and pricing to maximize profit.

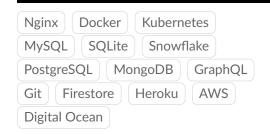
ACHIEVEMENTS

- Secured AIR 113 in GATE Computer Science 2021 from over 1,20,000 candidates in Third Year of Undergrad.
- Department topper for Semester V with 9.95 SGPA.

SKILLS



BACKEND



LANGUAGES

C/C++	Java	Python	Swift
HTML	CSS	JavaScript	SASS
Verilog	VHDI	L	

OPERATING SYSTEMS

Ubuntu	Kali linux	Arch Linux
Fedora	Parrot OS	MacOS
Cisco IOS	Raspbian	

PROJECTS

Debiasing Facial Detection Systems

May 2021

♥ KJSCE

 A facial detection model that learns the latent variables underlying face image datasets and uses this to adaptively re-sample the training data, thus mitigating any biases that may be present in order to train a debiased model.

Generating Handwritten Digits using Adversarial Networks

June 2021

KJSCE

Deep Convolutional GAN model. Random noise to Digit generator.
Generator-Discriminator Min-Max process.

Object Detection and Classification

April 2021

■ KJSCE

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

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.

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.

UG COURSEWORK

- Applied Machine Learning using TensorFlow
- Digital Image Processing
- Introduction to Machine Learning
- · Reinforcement Learning
- Artificial Neural Networks
- iOS App Development using Swift
- Computer Networks
- Advanced Networking
- Database Management Systems
- Operating Systems
- Theory of Computation
- Compiler Design
- Computer Organisation and Architecture
- Software Testing Selenium
- CS 221 Artificial Intelligence: Principles and Techniques
- CS 229 Machine Learning
- CS 230 Deep Learning
- CS 224n Natural Language Processing with Deep Learning
- CS 228 Probabilistic Graphical Models: Principles and Techniques
- CS 231 Convolutional Neural Networks for Visual Recognition
- CS 234 Reinforcement Learning
- 6.S191 Introduction to Deep Learning