

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

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

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

Algorithms

Deep Learning

Networking

TensorFlow

Scikit-learn

Keras

Amazon Sagemaker

iOS on Xcode

React

Node JS

Express JS

jQuery

Bootstrap

Bash Scripting

BACKEND

Nginx

Docker

Kubernetes

MySQL

SQLite

Snowflake

PostgreSQL

MongoDB

GraphQL

Git

Firestore

Heroku

AWS

Digital Ocean

LANGUAGES

C/C++

Java

Python

Swift

HTML

CSS

JavaScript

SASS

Verilog

VHDL

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 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.

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