Omkar Ghanekar

A hard working and self motivated graduate student from UC Santa Cruz with 3 years of work experience as a Software Engineer

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Education

Sept 2021-
MS IN COMPUTER SCIENCE
UC Santa Cruz, California

2014-2018
B.E. IN COMPUTER ENGINEERING
PICT, University of Pune
CGPA : 8.62/10

Skills

LANGUAGES
Python, Javascript, C++, C

FRAMEWORK AND LIBRARIES
Django, ReactJS, Flask, Keras, NextJS

DATABASES
MySQL, PostgreSQL, MongoDB

VERSION CONTROL SYSTEMS
Github

Coursework

Data Structures and Analysis of Algorithms
Discrete Mathematics
Operating Systems
Database Management Systems
Natural Language Processing

Experience

Sept 2021-present **Teaching Assistant at UC Santa Cruz**

Working as a Teaching Assistant for Database Systems at UC Santa Cruz. I have the responsibility of conducting the lab sessions and grading the exam papers for the subject.

Sept 2018-July 2021 **Software Engineer at Soft Corner**

I worked as a Software Engineer involved in product designing and developing in Django REST framework and ReactJS.
Developed REST web services for the major workflow execution modules, user integration including OAuth and report generation.
Automated the deployment pipeline to reduce the server downtime by around 3x.
Integrated transactional messaging and email services using Twilio and MailGun to reduce system overhead.

Python, Django, MySQL ,ReactJS, AWS, Docker

Projects

April 20 - June 20 **Freelancer for CovidFYI** **Web Development**

Actively contributed in the technical team for CovidFYI, an assistance providing platform during the Covid 19 crisis. Worked towards developing APIs in flask framework and resolving backend issues based on patient locations.

Aug 17- Feb 18 **Human Actions Recognition model** **Computer Vision**

Implemented a Human Actions Recognition model providing results in real-time using 2D and 3D ConvNet model in Keras and TensorFlow.
Testing accuracy: 87%
Training Time: 15 minutes

Jan 18-March 18 **Flora and Fauna detection** **Android, Image Processing**

Implemented a Mobilenet architecture and deployed it on Android for detecting animal species. Used Keras for training the model and Android Studio for developing the android application.
Training accuracy: 94.7%

Co-Curricular activities

Quark Goa 2018 **3rd prize**

Secured 3rd prize for presenting a prototype model of machine learning framework that inferences actions in particular set of videos.

VNIT, Nagpur 2018 **2nd place**

Secured 2nd place at Project contest at VNIT Nagpur for creating an Android application for recognizing flora and fauna.

Coursera courses 2016

Audited Machine Learning course of Stanford University by Prof. Andrew Ng.
Completed An Introduction to Interactive Programming in Python by Rice university.

Event Coordinator Pradnya 2016

Worked as a Event Coordinator and Problem Setter for the annual technical hackathon, Pradnya at PICT