Avadhoot Khedekar
Student

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EDUCATION

Bachelors of Engineering
MCT's Rajiv Gandhi Institute of Technology, Mumbai

08/2017 - 06/2021   9.37

Courses
- Computer Engineering

Higher Secondary Certificate
Sathaye College, Mumbai

07/2015 - 03/2017   81%

WORK EXPERIENCE

Front-end Web Developer
Brandyse Media Pvt. Ltd.

05/2020 - 07/2020

Responsibilties
- to code multiple webpages using HTML, CSS, Javascript as per the Figma design.
- to create webpages in wordpress using Elementor page builder.
- to create responsive and interactive webpages with all media devices.
- to host the website on hostgator hosting service with active SSL certificate.

Workshop Instructor
RoboRise Technologies Pvt. Ltd.

12/2019 - 12/2019

Tasks
- to develop an Arduino code for the walking mechanism of a Quadruped Robot.
- to calibrate the code according to the parameters received from MATLAB simulation.
- to instruct the working of code to around 35 students in a workshop.

Technical Intern
Unnat Bharat Abhiyan cell at RGIT

07/2019 - 07/2019

Tasks
- to research and analysis on food processing project for rural villages.
- documentation of various ongoing development projects across 4 villages of Maharashtra.

EXTRA-CURRICULAR ACTIVITIES

President (08/2020 - 06/2021)
Guiding a team of 30 students which aims to participate in various robotics related competitions and conduct the technical workshops.

Technical Event Head at ICARUS-RGIT. (03/2019 - 03/2019)
Led a Maze solver robot competition as a part of RGIT's Robotics Club.

SKILLS

Python   Javascript   Reactjs   HTML, CSS   C
Data Structures   Django   openCV   Java   ML

PERSONAL PROJECTS

Personal Website (04/2021 - 04/2021) ↗
- Developed using HTML, CSS, Bootstrap and Javascript.
- Highly responsive, interactive across all media devices and hosted securely on Netlify hosting service.
- Libraries viz. gsap, anime, lettering, waypoints and keyframes are used for animations.
- Optimized for FCP by deferring render blocking code in libraries and lazyloading media files.

Notes Classifier (07/2020 - 08/2020) ↗
- It segregates media files into two categories viz. educational and non-educational.
- A CNN is trained using Tensorflow on approx. 1200 images of both categories which achieved the f1-score of 87%.
- Videos, pdfs are handled in an efficient way to make them compatible for input to the neural network.
- Multiprocessing is used to fractionate the load on each process to carry out heavy processing efficiently for videos and pdfs.

Maze Solver (04/2020 - 04/2020) ↗
- A python script that accepts a maze in image format and provides optimal solution to solve the maze.
- The grids of the maze are analyzed using openCV and solutions is generated recursively using A* path finding algorithm.

CERTIFICATES

Specialization in Deep Learning (05/2020 - 06/2020)
Learnt the fundamentals of ANN, CNN in python along with architecture, hypertuning of the neural networks.

Introduction to Data-science in Python (02/2020 - Present)
Learnt the basic data preprocessing and cleansing techniques using pandas and numpy module in python.

Recursion Hackathon 2021 (03/2021 - 03/2021)
Participated and developed a working solution for detecting car prices using sklearn, pandas and hosted on Heroku using Flask server.

ACHIEVEMENTS & PUBLICATIONS

DD RoboCon 2020
Our team listed among top 26 out of 90 teams in the national level robotics competition.

Hackerrank
Achieved 5 stars in problem-solving section in python.

Dependancy Injections in Android- Published paper
This paper describes the necessity of dependency injection in Android Development and explains the method to use Google's Dagger-Hilt.

INTERESTS

front-end developement   Computer Vision