Rohan Mandrekar

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TECHNICAL SKILLS

Programming Languages: Python, C++, C
Web/App Development: HTML, Bootstrap, CSS, Flutter
Backend Development: Flask, Django
Computer Vision & Machine Learning : Numpy, TensorFlow, Pytorch, Keras, Matplotlib

EDUCATION

The University of Texas at Arlington — Arlington, Texas
Master's in Computer Science with Specialization in AI — GPA: 3.83/4.0 — Jan, 2021 – Jul, 2022
Notable Courses: Neural Networks, Machine Learning, Data Mining

Mukesh Patel School of Technology Management and Education — Mumbai, India
Bachelor of Technology in Computer Engineering — Aug, 2016 – Apr, 2020
Notable Courses: Design and Analysis of Algorithms, Artificial Intelligence, Discrete Structures, Python, Java, C, C++, Android Development

WORK EXPERIENCE

The University of Texas at Arlington — Arlington, Texas
Graduate Teaching Assistant — Sep, 2021 – Present
- Proctored exams and assignments for 50+ students
- Solved subject related doubts for 50+ studens

The University of Texas at Arlington — Arlington, Texas
Device On-Boarding, Office of Information Technology — Jul, 2021 – Sep, 2021
- Singlehandedly automated encryption key upload process and reduced 12.9% weekly hours
- Set up remote management and encryption on 6+ new devices daily
- Guided 4 employees with software configuration and the encryption process
- Simplified the configuration process accelerating it by 4 times

CureAssist — Remote
Software Engineering Intern — Jun, 2020 – Aug, 2020
- Successfully built 2 Dialogflow based chatbots - covid self assessment, patient appointment booking
- Integrated chatbots with backend NodeJS based APIs and MongoDB db for seamless integration with CureAssist app

PROJECT WORK

Distracted Driver Detection *https://www.kaggle.com/rohanmandrekar/ml-project*
- Worked on the State Farm dataset to classify driver activity into one of 10 different classes of distracted action
- Created a CNN model
- Test accuracy of 99.20% was achieved

Skin Cancer Classification *http://rm-skin-cancer-detection.herokuapp.com/*
- Developed a web-app that classifies skin lesions into 7 categories of skin diseases, including cancerous and non-cancerous
- Designed CNN architecture from scratch
- Achieved a test accuracy of 96.01%

EXTRA CURRICULAR

Engineering Student Council - Executive Vice President — Jan, 2022 – Present
Google Developer Student Clubs - Event and Resource Manager — Sep, 2021 – Present
Engineering Student Council - Marketing Officer — Apr, 2021 – Jan, 2022

ACHIEVEMENTS

Deep Learning Nano Degree — May, 2020 – Jun, 2020
- https://graduation.udacity.com/confirm/CJLNKPNP/