

Rohan Mandrekar

rohanmandrekar22@gmail.com | 682-298-5577 | <https://rohanmandrekar.netlify.app/> | Arlington, TX
<https://github.com/rohanmandrekar/> | <https://linkedin.com/in/rohanmandrekar/>

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, Matlab

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 – Dec, 2022

Notable Courses: Computer Vision, Bioinformatics, Neural Networks, Machine Learning, Data Mining

Mukesh Patel School of Technology Management and Engineering

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

- Conducted office hours and review sessions for students to eliminate their doubts and assisted the faculty in proctoring exams for a class of 50+ students for the Theory of Computing course and Data Mining course.
- Graded exams and assignments for 50+ students

The University of Texas at Arlington

Arlington, Texas

Information Technology Assistant, Office of Information Technology

Apr, 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 Convolutional Neural Network model using Tensorflow Keras which resulted in test accuracy of 99.20%

Skin Cancer Classification <http://rm-skin-cancer-detection.herokuapp.com/>

- Developed a web-app using Python Flask with a frontend built using HTML Bootstrap that classifies skin lesions into 7 categories of skin diseases
- Designed a Convolutional Neural Network architecture from scratch using Tensorflow Keras achieving a test accuracy of 96.01%
- Hosted the app using Heroku which is a cloud based platform

EXTRA CURRICULAR

Engineering Student Council - Executive Vice President

Jan, 2022 – Present

- Coordinate between 3 committees and led the remaining officers to conduct 15+ events resulting in 4500 student interactions
- Established the photography committee resulting in 600% increment in volume leading to better posts which raised the ESC social media following and event attendance by 240% and 270% respectively
- Represented over 7400 engineering students to the Office of President and the Dean of Engineering

Google Developer Student Clubs - Event and Resource Manager

Sep, 2021 – Present

ACHIEVEMENTS

Deep Learning Nano Degree <https://graduation.udacity.com/confirm/CJLNKPNP/>

May, 2020 – Jun, 2020