

# Rohan Mandrekar

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<https://github.com/rohanmandrekar/> | <https://linkedin.com/in/rohanmandrekar/>

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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

- Graded exams and assignments for 50+ students
- Solved subject related doubts for 50+ students

**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

- Coordinate between 3 committees within the organization
- Established the photography committee
- Make sure deadlines are met

**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/>