

## 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**

*Master's in Computer Science with Specialization in AI*

GPA: 3.67/4.0

Arlington, Texas

Jan, 2021 – Dec, 2022

Notable Courses: Neural Networks, Machine Learning, Data Mining

### WORK EXPERIENCE

**The University of Texas at Arlington**

*Device On-Boarding, Office of Information Technology*

Arlington, Texas

Jul, 2021 – Present

- 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

**The University of Texas at Arlington**

*Lab Assistant, Office of Information Technology*

Arlington, Texas

Apr, 2021 – Jul, 2021

- Assisted 20+ clients and resolved technical issues each day
- Helped set up IMacs and PCs in 3 labs
- Upgraded PC hardware of 100+ computers in 3 labs

**CureAssist**

*Software Engineering Intern*

Remote

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

**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
- Created my own CNN architecture
- Achieved a test accuracy of 96.01%

**Image Caption Generation** <https://github.com/rohanmandrekar/Image-Captioning-Scene-Descriptor>

- Created a model that generates captions precisely describing an image
- Used Inception V-3 and Bi-Directional LSTM
- Developed a Flutter app for the user interface

### EXTRA CURRICULAR

**Google Developer Student Clubs - Event and Resource Manager**

Sep, 2021 – present

**Engineering Student Council - Marketing Officer**

Apr, 2021 – present

### ACHIEVEMENTS

**Deep Learning Nano Degree**

May, 2020 – Jun, 2020

- <https://graduation.udacity.com/confirm/CJLNKPNP/>