

Rohan Mandrekar

rxm1853@mavs.uta.edu | 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

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

Mukesh Patel School of Technology Management and Education

Bachelor of Technology in Computer Engineering

GPA: 2.78/4.0

Mumbai, India

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

Teaching Assistant, Data Science

Arlington, Texas

Sep, 2021 – Present

- Proctored exams and assignments for 30+ students

The University of Texas at Arlington

Device On-Boarding, Office of Information Technology

Arlington, Texas

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

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
- 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/>