

Rohit Tokala

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EDUCATION

PURDUE UNIVERSITY

BS IN COMPUTER ENGINEERING

May 2022 | West Lafayette, IN

Major GPA: 3.3 / 4.0

Dean's List

LINKS

Github:// rtokala14

LinkedIn:// rohit-reddy-tokala

COURSEWORK

UNDERGRADUATE

Intro to Deep Learning

Intro to Computer Networks

Python For Data Science

Operating Systems Engineering

Data Structures and Algorithms

Intro to Artificial Intelligence

Microprocessor Systems and Interfacing

ASIC Design Laboratory

Advanced C Programming

Digital Systems Design (*Teaching Assistant*)

SKILLS

PROGRAMMING

• Java • Shell • Python

• Assembly • C

• Matlab • C++ • \LaTeX

• System Verilog

CERTIFICATES

NANODEGREE

DEEP LEARNING

Udacity

SPECIALIZATION

DEEP LEARNING

Coursera | DeepLearning.ai

PROFESSIONAL CERTIFICATE

MACHINE LEARNING

Coursera | Stanford University

EXPERIENCE

APPLIED MATERIALS | SOFTWARE ENGINEERING INTERN

May 2021 – Nov 2021

- Contributed to the SW Tools automation and DevOps for the Display Flexible Technologies
- Plugins and microservices development for Jira and Confluence
- Compiled data for internal customers for scheduled reports and analyses on eazyBI

PURDUE UNIVERSITY | TEACHING ASSISTANT

Aug 2020 – May 2021

- Teaching Assistant to **Rick Kennell** for the Digital Systems Design course
- Managed and provided educational support to 40 students in a classroom setting
- Created and Graded labs and exams for the lab sessions

PROJECTS

TV SCRIPT GENERATION

- Trained a Recurrent Neural Network (RNN) with PyTorch to generate scripts in the style of dialogue from Seinfeld

DOG BREED CLASSIFIER

- Using a Convolutional Neural Network (CNN) with PyTorch to identify an estimate of the input canine's breed

FACE GENERATOR

- Using a DCGAN on the CelebA dataset to generate images of new and realistic human faces.

RESEARCH

CV FOR FOREST INVENTORY ANALYSIS | RESEARCHER

Aug 2021 – Present

Worked with **Dr. Guofan Shao** and the CVFIA team to create an algorithm to process stereo video footage from cameras equipped with motion sensors to acquire and analyze tree data.

IMAGE PROCESSING ANALYSIS LAB | RESEARCHER

Aug 2020 – May 2021

Worked with **Edward Delp** and a team of 5 students to develop a faster lane detection and tracking system to work with autonomous driving vehicles

LEADERSHIP

BOILER GOLD RUSH | TEAM LEADER INTERNATIONAL

Feb 2019 - Aug 2019

Guided a group of 17 new students toward an inclusive and open-minded perspective through small group discussions throughout a week-long program

BOILER BAAZ | PRESIDENT

Jan 2019 - Present

Led Purdue's premier Bollywood Fusion Co-ed Competitive Dance Team into placing second in two inter-collegiate competitions and first in another