

Yashwanth Reddy Venati

<https://yashwanthv21.github.io>
yvenati@uh.edu | 832.466.3036

EDUCATION

UNIVERSITY OF HOUSTON

MS IN COMPUTER SCIENCE

Expected May 2019 | Houston, TX

Cum. GPA: 3.5

BS IN COMPUTER SCIENCE

May 2017 | Hyderabad, India

Cum. GPA: 3.7 / 4.0

LINKS

Github:// [Yashwanthv21](#)

LinkedIn:// [yashwanthv21](#)

Medium:// [yashwanthvenati](#)

COURSEWORK

GRADUATE

Machine Learning

Artificial Intelligence

Statistical Research Methods

Computer Networks

Image Processing

UNDERGRADUATE

Information Retrieval

Operating Systems

Functional Programming

Computer Graphics

Unix Tools and Scripting

ONLINE

Linux Foundation: Blockchain

Microsoft: JavaScript

MIT: Python

Harvard: CS50

SKILLS

PROGRAMMING

Over 5000 lines:

Python • R • JavaScript • Shell

React • Django • Java • Solidity

Over 1000 lines:

C • C++ • CSS • PHP • Assembly

Familiar:

C# • .NET • Android • MySQL

HACKATHONS

Winner Front End @Hack Rice 2018

Winner Data Science @Hack Rice 2018

Code Red @University of Houston

Smart City Hackathon @T-hub

EXPERIENCE

HARRIS COUNTY | DATA SCIENCE INTERN

May 2018 – Aug 2018 | Houston, TX

- Developed ML Models to detect Swimming Pools from Satellite Images.
- Used Transfer Learning and Pretrained Models.
- Worked on Crime Analytics.
- Python, R, Tensorflow, Jupyter, Statistics, Machine Learning.

OURFOOD | SOFTWARE DEVELOPER & DATA SCIENTIST

Aug 2016 – May 2017 | Hyderabad, India

- Worked on the price prediction team in primarily Python and JavaScript to plan, design and develop the full stack implementation of an internal tool.
- Built Statistical models and plots using R Programming.
- All code was reviewed, perfected, and pushed to production.

QNOVON TECH | SOFTWARE DEVELOPER INTERN

Feb 2016 – Jul 2016 | Hyderabad, India

- Designed and developed end to end MVC web app using spring boot, hibernate and thymeleaf.
- Deployed using AWS and automated various tasks using Python.
- Used GIT.

RESEARCH

DECENTRALIZED MACHINE LEARNING | GRADUATE RESEARCHER

Dec 2017 – Present | Houston, TX

Worked with Prof Omprakash Gnawali and Prof Aron Laszka to develop a decentralized machine learning platform on Ethereum Blockchain. Can be used to host ML competitions.

PROJECTS

PRIVATE ETHEREUM BLOCKCHAIN | SOLODITY, SHELL, GETH, WEB3

Deployed a private Ethereum network with nodes in various locations all over the globe. Can deploy private contracts from local machine.

REALTIME DASHBOARD | DJANGO, SOCKETS, MYSQL

Real Time Device monitoring web app, which displays the temp, humidity and signal strength of an electronic device and analyses data. In Production.

TWITTER SENTIMENT ANALYSIS | NLP, PYTHON

Real Time sentiment analysis on any topic using Machine Learning allowing users to check the opinions of any topic in the world.

LANGUAGE TRANSLATION | DEEPLARNING, NLP

Developed a model to translate sentences from one language to another, using RNN, LSTM.

HOME SECURITY | IoT, RPi, PYTHON, WEBSOCKETS, REACT NATIVE

An IOT application which opens the door and sends the image of the person trying to open the door. Face recognition and proximity sensor.