

Yashwanth Reddy Venati

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EDUCATION

UNIVERSITY OF HOUSTON

MS THESIS IN COMPUTER SCIENCE

Expected May 2019 | Houston, TX

Cum. GPA: 3.5

BS IN COMPUTER SCIENCE

May 2017 | Hyderabad, India

LINKS

GitHub:// [Yashwanthv21](#)

LinkedIn:// [yashwanthv21](#)

Medium:// [yashwanthvenati](#)

Hackathon:// [D2k Rice University](#)

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

Udacity: Deep Learning Nanodegree

MIT: Python

Harvard: CS50

SKILLS

PROGRAMMING

Over 50000 lines:

Python • R • JavaScript • Shell

Java • Solidity

Over 10000 lines:

C • React • CSS • PHP • MySQL

Familiar:

C# • .NET • Android • Assembly

Frameworks:

Django • Scrapy • Hug • Selenium

HACKATHONS

Winner Data Science @Hack Rice 2018

Winner Data Viz @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 Deep Learning Model to detect illegal constructions from Satellite Images with 93% Accuracy.
- Used Random Forests, Transfer Learning and State of the Art Pretrained Models.
- Worked on Crime Analytics.
- Python, R, Data Cleaning, TensorFlow, Jupyter, Statistics, Machine Learning.

C. T. BAUER COLLEGE OF BUSINESS | RESEARCH ASSISTANT

Jan 2018– May 2018 | Houston, TX

- Worked on large customer data of a News Aggregator. Cleaned, Reformatted and saved the data in Mongo DB.
- Visualized the data, time series analysis and calculated the users Churn Rate.

OURFOOD | SOFTWARE DEVELOPER & DATA ANALYST

Aug 2016 – May 2017 | Hyderabad, India

- Worked in the price prediction team in primarily Python and JavaScript to plan, design and develop the full stack implementation of an internal tool.
- Used R to create reports for the sales team.
- 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 testing using Selenium. Used GIT.

RESEARCH PROJECTS

DECENTRALIZED MACHINE LEARNING | GRADUATE RESEARCHER

Worked with Dr. Omprakash Gnawali and Dr. Aron Laszka to develop a decentralized machine learning competition platform on Ethereum Blockchain.

ESTIMATING BLOCKCHAIN SIZE | MASTERS THESIS

Collected the data exchanged from a network of 200 Ethereum Nodes. Analysed this large scale data to get the total number of Nodes.

PROJECTS

TWITTER SENTIMENT ANALYSIS | NLP, PYTHON

Real Time sentiment analysis on any topic using Machine Learning to allow 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 Recurrent Neural Networks and Long Short Term Memory.

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.