YASHWANTH REDDY VENATI

Houston, TX

Yashwanthv21.github.io

+1 832-466-3036
yashwanthvenati@gmail.com
yvenati@uh.edu

EDUCATION

Houston, TX   **University of Houston**   **Aug 2017 – May 2019**

Master of Science in Computer Science **(Thesis)** (GPA 3.5)

Coursework: Artificial Intelligence, Machine Learning, Statistical Research Methods, Computer Vision, Networks

Thesis: Building a Decentralized Data Science competition platform on Blockchain.

EMPLOYMENT

Data Science Intern   **Harris County CTS**   **May 2018 – Aug 2018**

- Improved the work orders by 50% by using AI to detect the type of work required and forward to the concerned office.
- Built a Deep Learning application to detect swimming pools from satellite images and find violators at large scale.
- Worked with a large amount of historical crime data to detect patterns and insights.
- Leveraged Knowledge in TensorFlow, Keras, GBM, Jupyter, Pandas, Python, Statistics, Pretrained models, Google Cloud.

Graduate Research Assistant   **University of Houston**   **Dec 2017 – May 2018**

- Worked with Big Data of Customers using a News Application, to find the interests, trend and usage patterns.
- Leveraged Knowledge in NoSQL DB, Python, R, Statistics, Visualization.

Software Engineer & Data Scientist   **Ourfood Pvt Ltd**   **Aug 2016 – May 2017**

- Analyzed and visualized large scale agricultural data, integrated with various sources like weather, historic prices to build a price prediction algorithm. Automated the process to comply with new data.
- Designed the database architecture of the web application.
- Maintained website consistency and ensured responsiveness, cross-browser and cross-device compatibility.
- Leveraged Knowledge in Full Stack Web development, Git, JavaScript, Java and debugged using Chrome Developer Tools.

Software Developer   **Qnovon Technologies**   **Jan 2016 – July 2016**

- Designed and developed end to end MVC web application using spring boot, hibernate and thymeleaf.
- Built multiple tech enabled platforms especially in the area of delivering and managing microservices.
- Leveraged Knowledge in MVC, Git, Backend Web Development.

INDEPENDENT PROJECTS

- **Stock Prediction** Built a Model using Neural Networks to predict future stock price returns with historical stock prices and news analytics. **Python,Keras, Machine Learning, Pandas, Sentiment Analysis.**
- **Twitter Sentiment Analysis** Real Time sentiment analysis on any topic using Machine Learning allowing users to check the opinions of the people across the world. **Python, Natural Language Processing, Twitter API** Source Code
- **Sentiment Analysis on Amazon reviews** Built a Novel Platform to see the product reviews. Analyze and generate reports based on the reviews of a particular product based on product specifications. **R Programming, Python, Django, NLP, JavaScript.** Source Code
- **Realtime Dashboard** Real Time Device monitoring web application, which displays the data received from the remote device and analyzes data. In production. **Python, Sockets, Django,Statistics, MYSQL.** Source Code
- **Home Security Application** An IOT application and Android Application which opens the door and sends the live stream image/video of the person trying to open the door to the house owner. **Python, Raspberry Pi, Face-recognition, Firebase, Google-compute, React native.**

ADDITIONAL EXPERIENCE AND AWARDS

Certificates and Courses

- **CS50** Introduction to Computer Science | **Harvard University**
- Blockchain for Business | **Linux Foundation, IBM**
- Programming using Python | **MIT**
- Deep learning Nanodegree | **Udacity**

Hackathons

- **Winner in Data Science Track at Hack Rice 2018.** Link
- Code Red Houston 2017

Languages and Technologies

- Python, R , JavaScript, Java, Solidity, Shell, Linux, HTML, MYSQL, SQLite, MongoDB, Scrapy, Web Scraping
- Visual Studio, PyCharm, Intellij, Eclipse, VS Code, Jupyter, Tableau.
- Django, Flask,Hibernate, Thymeleaf.
- Basic experience: .NET, C#, React, Angular, Node.