

# Harsha Vardhan Koneru

Graduate Student

Data Scientist familiar with gathering, cleaning and organizing data for use by technical and non-technical personnel. Advanced understanding of statistical, algebraic and other analytical techniques. Highly organized, motivated and diligent with significant background in Machine Learning.

## Work History

### 2020-08 - Senior Software Engineer

2021-06

*ValueLabs, Hyderabad, India*

- Led software development initiative as subject matter expert and primary point-of-contact for project management staff
- Collaborated with domain experts to understand and characterize products and identify problematic issues
- Discussed project progress with customers, collected feedback on different stages and directly addressed concerns
- Trained and mentored junior developers and engineers, teaching skills in JavaScript and working to improve overall team performance by 10% each quarter.

### 2019-05 - Software Engineer

2020-07

*ValueLabs, Hyderabad, India*

- Developed proposed technical solutions based on customer requirements and product goal.
- Developed at least 2 new features every sprint.
- Introduced agile methodologies and development best practices to division to enhance product development.

### 2019-01 - Software Intern

2019-03

*ValueLabs, Hyderabad, India*

- Partnered with company mentor to learn best practices in software design.
- Developed automation scripts, resulting in 5% increase in efficiency

## Contact

### Phone

213-285-7938

### E-mail

hkoneru@usc.edu

### LinkedIn

<https://www.linkedin.com/in/harshavardhan-koneru/>

## Skills

Algorithm implementation

Database programming

Analytics

Software Development

Development Lifecycles

## Education

2021-08 - Current

### Master of Science: Applied Data Science

*University of Southern California - Los Angeles, CA*

2015-08 - 2019-07

### Bachelor of Technology: Computer Science and Engineering

*VR Siddhartha Engineering College - Vijayawada, India*

2018-04 -  
2018-06

## Software Intern

*National Remote Sensing Centre, Hyderabad, India*

- Developed e-Recruitment site to filter candidates quickly and saves 50% of their allocated time.
- Collaborated effectively with members of software development team and personnel in other departments.

## Projects

---

### 1. Invariant Feature based Darknet Architecture for Moving Object classification

**Technology Stack:** Python

Invariant feature concept is added to the existing Darknet Architecture of You Only Look Once (YOLO) and is combined with Faster R-CNN to count the number of vehicles with different spatial locations.

### 2. Predicting price based on Car specifications

**Technology Stack:** R

Car price prediction using Multiple Linear Regression.

### 3. Predicting People's Wellbeing

**Technology Stack:** R

Predicted people's wellbeing based on several socio-economic factors using Naive Bayes Algorithm.

### 4. Predicting Smoking Habits in Unknown Locations

**Technology Stack:** R

Used k-NN model to predict smoking habits. Plotted degree of ill-health using qmap.

### 5. Predicting Academic intention to use Wikipedia

**Technology Stack:** R

Academic Intention for Wikipedia Prediction using Naive Bayes Classifier.

## Publications

---

### Invariant Feature based Darknet Architecture for Moving Object Classification

Jul 10, 2020

IEEE Sensors Journal

<https://ieeexplore.ieee.org/document/9138434>