

# Mahima Shanware

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## EDUCATION

### CARNEGIE MELLON UNIVERSITY

BS IN INFORMATION SYSTEMS,  
MINOR IN COMPUTER SCIENCE  
Expected May 2022 | Pittsburgh, PA

### MONTA VISTA HIGH SCHOOL

Jun 2018 | Cupertino, CA

## LINKS

[mahimashanware.github.io](https://mahimashanware.github.io)  
[github.com/mahimashanware](https://github.com/mahimashanware)  
[linkedin.com/in/mshanware539/](https://linkedin.com/in/mshanware539/)

## SKILLS

### LANGUAGES

Experienced: Python, C, HTML, CSS  
Intermediate: JavaScript, SQL, R

### LIBRARIES/FRAMEWORKS

Experienced: jQuery, Highcharts  
Intermediate: React, Node.js

## COURSEWORK

### UNDERGRADUATE

Practical Data Science  
Natural Language Processing  
Database Design and Development  
Intro to Probability Theory  
Principles of Imperative Computation  
Fundamentals of Programming  
Concepts of Mathematics  
Statistics & Data Science Methods  
Machine Learning, Coursera

## OTHER

Kappa Kappa Gamma  
Society of Women Engineers  
CMU Raasta – Fundraising Chair  
Bhangra in the Burgh - Liaison  
Volleyball, Hiking

## EXPERIENCE

### CMU, LANGUAGE TECHNOLOGIES INSTITUTE | SOFTWARE DEVELOPMENT RESEARCH ASSISTANT

May 2019 - Present | Pittsburgh, PA

- Programmed a new GUI to accommodate experimental trials integrated recording of audio and video and applied multimodal machine learning models. Built using Python.
- Quantified movement data through Logitech's Brio webcam to record subject's stuttering frequency under different stress conditions.
- Contributed extensively to the development of an IoT device that uses biological factors to detect periods of stress and remind people with stuttering problems to control their speech.

### CMU, SCHOOL OF COMPUTER SCIENCE | TEACHING ASSISTANT

Starting August 2019 | Pittsburgh, PA

- Will teach algorithmic thinking and programming, as well as lead a 30-student recitation. Topics include Python, algorithms, efficiency, testing, data structures, testing and debugging, and recursion.

### HEART N SPICE | INTERN

June 2017 – August 2017 | Palo Alto, CA

- Implemented a Chrome Extension in JavaScript that returned nutritional facts and a health rating from a recipe website page.
- Feature advised users of suitable recipes by parsing website data, analyzing the ingredients, and comparing recipe attributes to a user's health profile.

### MYVILL | DATA ANALYSIS INTERN

June 2016 – August 2016 | Cupertino, CA

- Performed data collection in the form of reviews for after-school programs for the iPhone application MyVill by engaging directly with the Silicon Valley at community events.
- Guided an iterative cycle of user research for multiple features to discover pain points and possible solutions. Analyzed results statistically and presented weekly reports to the CEO.
- Designed the potential feature "Global Report Card," which compared users across the world.

## PROJECTS

### MEDTYPE | November 2018 | [bit.ly/medtypedemo](https://bit.ly/medtypedemo)

- Created a stroke detection device to analyze a user's typing abilities over time to determine whether that user is at risk for a stroke in the near future. Built using Python.
- Implemented a K Nearest Neighbors machine learning algorithm from scratch that returned an at risk/not at-risk rating, as well as tracked data over time to model statistical analysis.

### BAKERY WEBSITE | April 2019 | [bit.ly/mahimabakerywebsite](https://bit.ly/mahimabakerywebsite)

- Used HTML/JavaScript/CSS, jQuery, and Highcharts to create a responsive website from scratch as part of my Information Systems Milieux class.