

Mahima Shanware

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EDUCATION

CARNEGIE MELLON UNIVERSITY

BS IN INFORMATION SYSTEMS,
MINORS IN COMPUTER SCIENCE
& MACHINE LEARNING

Expected May 2022 | Pittsburgh, PA

MONTA VISTA HIGH SCHOOL

Jun 2018 | Cupertino, CA

LINKS

mahimashanware.github.io

github.com/mahimashanware

linkedin.com/in/mshanware539/

SKILLS

LANGUAGES

Python, C/C++, SQL, R, HTML, CSS, JavaScript

FRAMEWORKS/TECHNOLOGY

Android, iOS, Git, Amazon Web Services,
Google Cloud Platform, jQuery, Highcharts,
Node.js

COURSEWORK

Practical Data Science

Natural Language Processing

Database Design and Development (SQL)

Intro to Probability Theory

Principles of Imperative Computation (C)

Fundamentals of Programming (Python)

Concepts of Mathematics

Statistics & Data Science Methods

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

August 2019 - Present | Pittsburgh, PA

- Leading 30-student recitations and review sessions. Topics include Python, algorithms, efficiency, testing, data structures, testing, 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

- Early stroke detection tool built using with machine learning k-nearest neighbors algorithm in Python.
- Returned an at-risk/not at-risk rating and tracked data over time to model statistical analysis.

BAKERY WEBSITE | April 2019 | bit.ly/mahimabakerywebsite

- Bakery website built from scratch using HTML/JavaScript/CSS, jQuery, and Highcharts to create a responsive website.