Meghana Tera

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EDUCATION

Carnegie Mellon University Pittsburgh, PA

Bachelor of Science, Information Systems May 2024

Relevant Coursework: Principles of Imperative Computation, Foundations of Software Engineering, Database Design and Development, Designing Human-Centered Software, Discrete Math, Matrices & Linear Algebra

CERTIFICATIONS

Scrum Master Certified (SMC) August 2021

Languages: Advanced in Python - PyTorch, Java, C, HTML/CSS, JavaScript, React, SQL, Tableau, and LaTeX; Familiar with MATLAB
Operating Systems: Linux, Mac OS, Windows 10, iOS, Android
Software: Tableau
Web Design: Designed **https://www.sinceremomentsllc.com/**

WORK EXPERIENCES

Human Computer Interaction - Carnegie Mellon University September 2021 - Present

Research Assistant

- Perform qualitative analysis on the transformation of transit work as autonomous vehicle technology is applied to the complex environments of public transit.
- Assist in conducting user studies and designing worker-centered scenarios to capture the impact of automation.

Dadel May 2021 - August 2021

Business Technology Analyst Intern

- Revitalized data models, use cases, activity diagrams, and agile artifacts to pilot Personal Data Exchange platform
- Operated system design and modeling tools such as Visio and Lucid Chart
- Engineered functional design and modeling for Dadel Products

Hatch Learning Coding - Stanford University September 2020 - December 2020

Instructor

- Instructed computational thinking to younger students and inspired the growth mindset through different perspectives

PROJECTS

Re:bloom March 2021 - June 2021

- As a web developer, I helped build simple, clean, and easy to maintain websites from Wordpress development to Full Stack websites for a local Pittsburgh company to create an online presence.

Data Science Club September 2020 - November 2020

- AI Project - Motion Fingerprint
  - Created an AI model capable of recognizing a person based on their walk using a phones' IMU sensor or a smartwatch

15-112 Carnegie Mellon Personalized Menu December 2020

- Programmed user-interface in python, with the use of Beautiful Soup, Requests, PIL, and Tkinter. Designed and developed a recommender system that utilizes the K-Nearest Neighbors machine learning algorithm that suggests similar restaurants to the user.

ACTIVITIES

Carnegie Mellon Business Technology Group June 2021 - Present

Head of Design

- Drive for continual improvement and innovation to support product strategy
- Create designed that translate successfully across different mediums, apps, and other interactive interfaces

Society of Women Engineers September 2020 - Present

- Promoting engineering and development through networking with other women in STEM

HONORS

Grace Hopper Celebration Scholar September 2020 - Present
Tapia Conference Speaker September 2021