Pari Shah

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EDUCATION

University of Michigan **Ann Arbor, MI**
August 2020 - December 2023
Bachelor of Science in Computer Science & Cognitive Science
GPA: 3.5/4.0

Relevant Coursework: Advanced Java Programming, Data Structures and Algorithms, Applied Linear Algebra, Statistics & Data Analysis, Discrete Math, Foundations of Computer Science, Computer Architecture

Technical skills: C++, Java, Python, R, HTML, CSS, React JS, MATLAB
Awards: National Center for Women & Information Technology (NCWIT) 2020 New Jersey Affiliate Honorable Mention

WORK EXPERIENCE

Software Engineering & Application Development Intern, Healthfirst/Hyphen, NY *June 2022 - Present*
- Creates a machine learning backend engine with **SageMaker** and **Django** for healthcare providers to give referrals to patients based on patient's health background
- Designs a cohort builder visualization tool in **React JS** and **Django** intended for clinicians to perform ad-hoc queries for patients with specific characteristics
- Uses an **Agile** framework to deliver value to customers faster

Youth Mentor, Code Ninjas, NJ *July 2018 - Oct 2018*
- Guided youth on how to program in **Scratch** using a visual curriculum to help them build a strong foundation for coding and critical problem-solving skills

PROJECTS

Personal Website *HTML, CSS, JavaScript*
- Designed a personal website to grasp the fundamentals of web development and showcase portfolio

Log Manager *C++*
- Implemented a program that reads an input file containing log entries, then enters an interactive mode where the user can perform timestamp, category, and keyword searches to construct an "excerpt list" of the log file

Euchre Simulator *C++*
- Implemented a simulator for the game of Euchre that allows the user to play the card game against a Human player or a Simple AI player

RESEARCH

Researcher, Georgia State University REU Smart and Autonomous Internet of Things Systems *June 2021 - July 2021*
- Designed a reliable cloud robotics system using **Python WebSockets** and **OpenCV** to understand the concept of using cloud-based operations for conducting remote experiments and controlling testbeds
- Setup 2 remotely controlled robots that performed operations in tandem through remote commands and programs

Research Assistant, University of Michigan School of Information *Oct 2020 - April 2021*
- Determined participants' cognitive load when they were attempting **Python** programming problems, using Tobii Pro Fusion eye tracker
- Parsed through CSV file filled with participants' programming problem solutions to analyze cognitive load to improve future educational technology that will help students better learn programming concepts

LEADERSHIP AND ACTIVITIES

Mentee, Google Computer Science Research Mentorship Program (CSRMP) *Feb 2021 - March 2021*
- Conversed one-on-one with a Google mentor to gain solid feedback tailored to my computing interests and goals
- Networked with 296 other computer science students in the US and Canada to increase awareness about various computing research pathways

Director, TechGirls, NJ *Jan 2018 - April 2020*
- Provided middle school girls opportunities in **web development**, **virtual reality**, and social entrepreneurship to encourage exploration of computing fields and to increase the percentage of females pursuing computing careers