

# Pari Shah

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## EDUCATION

**University of Michigan, Ann Arbor, MI**

Aug 2020 - Dec 2023

Bachelor of Science in Computer Science & Cognitive Science

GPA: 3.6/4.0

**Relevant Coursework:** Data Structures and Algorithms, Applied Linear Algebra, Statistics and Data Analysis, Discrete Math, Foundations of Computer Science, Computer Organization, Web Systems, User Interface Development, Database Management Systems, Introduction to Machine Learning

## SKILLS AND TECHNICAL TOOLS

**Languages/Frameworks:** C++, Python, HTML, CSS, ReactJS, TypeScript, Django, R, Bazel, Redux, MongoDB, SQL/SQLite

**Platforms:** Github, Visual Studio Code, Xcode, Jupyter Notebook, Figma, Jira

## WORK EXPERIENCE

**Software Engineer | FTI Consulting**

March 2024 - Present

- Developing an early-stage full-stack ad tech governance platform to ensure client compliance with data privacy regulations for ad pixels deployment, utilizing **OneTrust**, **Adobe Launch**, **ReactJS**, and **Laravel**
- Implementing a full redesign of a sales incentive platform, migrating from **AngularJS** to **TypeScript**, incorporating client feedback to enhance user experience and functionality
- Implementing dynamic, customizable forms for a new banking client using **Formly** on FTI's multi-tenant workflow platform, integrating client-specific requirements to streamline refund operations and enhance operational efficiency

**Software Engineering Intern | MongoDB**

June 2023 - Aug 2023

- Refactored and modularized **Redux** functionality by app in the cloud frontend platform, resulting in space improvements by up to 5% in gzip file sizes
- Enforced explicit dependencies of the modularized **Redux** apps with **Bazel**, reducing build times for the **Redux** package by up to 59%
- Implemented dark mode functionality for 272 brand-related icons by creating a brand-icon component in **TypeScript** that seamlessly switches between light and dark mode based on the user's preference
- Managed version control and project progression with **Git** and **Jira**

**Software Engineering & Application Development Intern | Hyphen (subsidiary of Healthfirst)**

June 2022 - Aug 2022

- Developed a full-stack web application for a cohort builder visualization tool in **React JS**, **TypeScript**, and **Django** to reduce the time it takes for clinicians to execute ad-hoc queries for patients with specific characteristics by 50%
- Trained a logistic regression model on 10,000 patients with **Pandas**, **Scikit-learn**, and **Seaborn** to predict whether a patient is at risk of homelessness based on the patient's health background with 94% accuracy
- Created a full-stack machine learning web application in **React JS**, **TypeScript**, and **Django** for healthcare providers to give on-demand recommendations to patients based on trained model
- Worked in an **Agile** environment and utilized **Git** for version control in a team of five members

## RESEARCH

**Researcher | National Science Foundation**

June 2021 - July 2021

- Designed a reliable cloud robotics system using **Python WebSockets** and **OpenCV** to understand how to use 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

**Mentee | Google Computer Science Research Mentorship Program (CSRMP)**

Feb 2021 - March 2021

- Engaged in weekly meetings with a Google mentor to gain solid feedback tailored to personal computing goals
- Networked with 296 computer science students to increase awareness about various computing research pathways

**Research Assistant | University of Michigan School of Information**

Oct 2020 - April 2021

- Operated Tobii Pro Fusion eye tracker to determine the cognitive load of 20 participants when they were attempting **Python** programming problems on Runestone Academy
- Utilized a **Python** script to parse through a CSV file filled with participants' programming solutions to analyze cognitive load to create a digital curriculum for programming concepts that reduces a student's learning time by at least 25%