Prathik Murthy

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EDUCATION

University of Michigan - Ann Arbor   Ann Arbor, MI
Bachelor of Science in Computer Science   Expected Graduation: May 2024

WORK EXPERIENCE

Procter and Gamble - Software Engineering Intern   May 2023 - August 2023
JavaScript, Python, SQL, Java, Microsoft Azure
- Designed and developed a REST API to automatically execute Azure Machine Learning model predictions and display resultant values within ServiceNOW
- Leveraged Machine Learning predictions to reduce IT Change Request failure rates by 33%
- Hosted 8 Design Thinking sessions with various project stakeholders

Steelcase - Web Development and Innovation Intern   May 2022 - April 2023
JavaScript / TypeScript, ReactJS, NextJS, Vue, Svelte, PostgreSQL, MongoDB
- Developed a modular survey platform with NextJS and PostgreSQL with custom automated data aggregation and visualization tools
- Reduced time needed for survey data aggregation by 3 weeks per survey
- Collaborated with 6 team engineers in daily AGILE sessions

Steelcase - Product Data Technology Intern   May 2021 - August 2021
Python, C++, Java, SAP
- Developed a collection of programs to automate creation of specification guides using Python, C++ and Microsoft Excel
- Decreased overall time inefficiencies by cutting specification guide creation times by over 20 hours per guide
- Created a system of programs using Python and SQL for Steelcase Global Sustainability to create, edit, and view 2 million entries of critical certificate data

INDEPENDENT PROJECTS

BoothBuddy   January 2023
TypeScript, NextJS, MySQL, Flutter, Dart
- Developed a full-stack web application and an external Flutter mobile application to connect hosts and attendees at career/club fairs
- Utilized a system of custom generated QR codes, allowing use in areas of poor internet connection
- Created for Spartahack 8, ranked 2nd overall of 326 participants

Tagr   June 2022
TypeScript, NextJS, PostgreSQL, Microsoft Azure
- Constructed a full stack web application to crowdsource data points for Machine Learning training sets
- Minimized existing time inefficiencies by reducing time needed to gather training data for prospective Machine Learning projects by 200 hours per project
- Collected over 4000 unique data points in 4 days of service uptime

Spotify / Last.fm Playlist Generator   November 2021
Python
- Designed and built a script to automatically generate playlists in Spotify using a user's Last.fm "Liked Songs" collection
- Hosted scripts online to automatically execute daily per user

TECHNICAL SKILLS

- **Languages:** JavaScript / TypeScript, C++, Python, Java, SQL, C, C#
- **Frameworks:** React, Vue, Svelte, Unity, ServiceNOW