

# Prathik Murthy

Troy, MI • (248) 525-2323 • murthypr@umich.edu • linkedin.com/in/prathikmurthy • prathikm.dev • US Citizen

## EDUCATION

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**University of Michigan - Ann Arbor**  
*Bachelor of Science in Computer Science*

Ann Arbor, MI  
Expected Graduation: May 2024

## WORK EXPERIENCE

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### Procter and Gamble - Software Engineering Intern

May 2023 - August 2023

*TypeScript, 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

*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

## PROJECTS

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### Documint

November 2023

*TypeScript, Python, AWS, Artificial Intelligence*

- Designed and developed a full stack web application to automatically generate documentation for GitHub repositories using AI
- Created for MHacks 16, ranked 1st overall in ML/AI of 304 participants

### 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
- 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

## TECHNICAL SKILLS

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- **Languages:** JavaScript / TypeScript, C++, Python, Java, SQL (MySQL, PostgreSQL, SQLite), C, C#
- **Technologies:** React, Vue, Svelte, Unity, ServiceNOW, Amazon Web Services, Microsoft Azure