

Prathik Murthy

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OBJECTIVE

- Seeking a find an internship in software development, including front-end development, prototyping, deployment, or other related fields.
- Skilled in multiple programming languages, computer hardware, public speaking, and leadership.

EDUCATION

University of Michigan

Bachelor of Science in Computer Science

Cumulative GPA: 4.00 / 4.00

Relevant Coursework: Calculus III (MATH 215), Data Structures and Algorithms (EECS 281), Foundations of CS (EECS 376)

Ann Arbor, MI

Expected Graduation: May 2024

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, Java, C#, SQL, ABAP

JavaScript Frameworks/Libraries: React, NextJS, ExpressJS, Vue, Redux, Tailwind, Radix, Bootstrap

Platforms: Windows, AndroidOS

WORKPLACE EXPERIENCE

Steelcase – Web Development and Innovation Intern

May 2022 – Present

- Developed a modular survey platform with NextJS and CosmoDB featuring automated data aggregation and visualizations
- Actively developing a web platform with Vue, ExpressJS, and Tailwind to crowdsource image data tagging to assist with AI/ML data set training algorithms
- Actively maintaining and leading further development of web and mobile implementations of internal inventory management applications for global dealer use

Steelcase – Product Data Technology Intern

May 2021 – May 2022

- Created a system of programs using ABAP and SQL allowing the Steelcase Global Sustainability team to create, edit, and view critical certificate data
- Developed an API using Python to generate product specification guides in Adobe InDesign for global retailers

Michigan State University – Teaching Assistant for CSE 232 (Programming II – C++)

August 2021 – December 2021

- Teach weekly lab sections for 30+ students
- Aid in the creation of course content, assignments, exams, and monthly projects

INDEPENDENT PROJECTS

Happyr

March 2022

- Developed a full stack SMS service to deliver positive messages to users for SpartaHack VII
- Utilized React, ExpressJS, MongoDB, and Twilio API

prathikm.dev

February 2022

- Personal portfolio website developed with Gatsby and React
- Features automated content updates through external database calls for easy maintenance

Spotify – Last.fm Playlist Generator

November 2021

- Scripts built in Python which automatically generate playlists in Spotify using a user's Last.fm "Liked Songs" collection
- Created using Spotify and Last.fm Python APIs
- Hosted online and automatically run on a user's Spotify account multiple times a day

RELEVANT ACTIVITIES

FIRST Robotics Competition – President / Engineering Lead - Team 226

August 2016 – May 2020

- Led team of over 100 students to design, build, and program competition robots
- Gained proficiency in advanced manufacturing, Computer Aided Design, and Java
- Taught groups of 15-30 students in topics ranging from basic design theory to advanced machining using a manual mill, lathe, and CNC router