

ADITI KHARE

Email: aditikh@umich.edu | Portfolio: pufferfishsworld.com

EXPERIENCE

MongoDB

Aug 2023 - Feb 2025

Software Engineer 2

- Spearheaded design & implementation of database encryption feature in Mongoose, improving data security for millions of users
- Implemented 20+ features, including shell-scripting security automations and optimizing numeric encodings
- Collaborated on an initiative to assess MongoDB's technology platforms for bias against marginalized communities
- Debugged and maintained 100+ testing environments, including cloud platforms and Docker
- Collaborated with open-source contributors and external partners to create user-friendly software

MongoDB

Jun 2022 - Aug 2022

Software Engineering Intern

- Introduced user IDs to the Node.js client library, debugged code, and designed UX of library docs page
- Participated in code reviews and contributed to the design review process of team projects

University of Michigan Museum of Art

May 2022 - Oct 2022

Assistant Web Developer

- Maintained and improved museum archival systems using Drupal and PHP
- Led web feature development for the museum events page

University of Michigan Center for Academic Innovation

May 2021 - Nov 2021

Software Engineering Fellow

- Full-stack web application development, using React, Vue.js, and Django, for learning tools used by 3 million people
- Identified & resolved 15+ bugs, including improving API connectivity and image formatting, to ensure accuracy & accessibility
- Led an SEO initiative, increasing online visibility by 30%

University of Michigan Institute for Social Research

Oct 2020 - Apr 2021

Data Science Research Assistant

- Analyzed behavioral responses to climate change & historical human rights data, visualized data, & presented at annual seminar
- Built a linear classifier & implemented NLP modeling to determine sentiment of over 32 GB tweets

EDUCATION

University of Michigan

2019 - 2023

Bachelor's in Computer Science (B.S.E.)

- GPA: 3.7 / 4
- Minor: Gender, Race & Nation

PROJECTS

Conversations for Every Dinner Table *React, Mobile*

Mar 2025

- Developed mobile responsiveness and accessibility features for a reproductive health card game website

Bike Share Website *JQuery, UI/UX*

Jun 2024 - Mar 2025

- Designed, implemented, and maintained responsive website for bike share organization in Michigan, allowing users to reveal lock codes, learn bike drop-off information, read the organization's mission, and stay connected on social media
- Taught web development essentials to two team members

SKILLS

- **Programming Languages:** Python, SQL, JavaScript/TypeScript, C++, HTML, CSS, PHP
- **Technologies & Tools:** GitHub, Unix, Jira, Trello, Shell Scripting, Makefile, MongoDB
- **Web Frameworks:** Django, React, Flask, Vue.js, JQuery, Bootstrap, Google Analytics
- **Spoken Languages:** English, Spanish, Hindi