**Nitin Shankar Madhu** |nmadhu@umich.edu|(248)877-9334|

**EDUCATION**

**University of Michigan** 08/2022-Present

* Coursework: Introduction to Problem Solving in C++
* BSE in Computer Science

**Padma Seshadri Bala Bhavan Senior Secondary School** 07/2018-04/2022

* Graduated with an overall grade of 4.0
* Valedictorian in Computer Science

**EXPERIENCE**

**MetaCulture USA** Washington DC

*Content Manager Intern* 06/2021 - 03/2022

* Devised targeted content for customer acquisition and encompassed beginner -friendly introductions to democratic concepts.
* Designed a data model that stored a glossary of terms pertaining to political science.
* Analysed client data with Python to seek out new potential clients; acquired 4 new clients.

*Chess coach*Chennai, India

07/2021-03/2022

* Created a structured plan for chess improvement and integrated into sessions.
* Assessed 10+ grandmaster games with my students to stimulate an intuition for tactical and strategic ideas.
* Interactively solved 100+ puzzles of varying difficulties to demonstrate different tactical themes.
* Strengthened their chess competency which increased their average rating by 300 points.

**Rotary Club of Madras** Chennai, India

*Computer Science and Medical Intern*  07/2019-08/2019

* Engineered a program in Python that collected patient bio data which amplified diagnosis speed by 25%.
* Monitored the optometric section of the camp and provided eye tests to 20+ patients.

**PROJECTS**

**Blogging website:**

* Integrated Python with Flask and SQLite3 to facilitate comminication.
* Utilized sessions to improve user experience.
* Customized UI using HTML5 with Bootstrap

**Number converter model:**

* Built a website that takes user input and converts binary/decimal to roman/decimal/etc.
* Yielded 20% faster response times and reduced hassle using databases using DOM manipulation with JavaScript.

**SKILLS**

**Technical**: Python, C++, HTML, CSS, JavaScript

**Tools**: Git, Visual Studio Code, Arch Linux, WSL, MS Office