

# SAMARTH SARIN

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## Skills

### PROGRAMMING LANGUAGES

C++

Python

Visual Basic

### PROGRAMMING SKILLS

Full Stack Development

HTML/CSS

Jinja

Web Development

### DATABASES

SQL

### FRAMEWORKS

Flask

### LANGUAGES

Fluent in Hindi

Conversational in Spanish

### INTERESTS

Avid guitarist, performed  
for a 300+ size audience

Dancer - Michigan  
Bhangra Team

## Education

University of Michigan - Ann Arbor

B.S. Computer Science 2020

Minor Chemistry 2020

Relevant Coursework:

- Data Structures and Algorithms (EECS 281)
- Foundations of Computer Science (EECS 376)
- Discrete Mathematics (EECS 203)

## Employment

Zione Solutions

Software Engineer Intern

Farmington, MI

May 2018 to Aug. 2018

- Created a ticketing service using Flask web framework
- Incorporated Python, SQL, and HTML/CSS to integrate the full-stack service
- Developed authentication/authorization methods to ensure standard security practices
- Internally released project to be used by consultants at Zione Solutions

Michigan Medicine Urology

Office Assistant

Ann Arbor, MI

June 2017 to May 2018

- Organized 700+ patient records by date of service, type of document, and facility, for the use of doctors to compare and analyze new reports with the old, allowing for a more effective treatment plan for patients
- Scanned physical patient record reports consisting of office visits to lab results in the University Health system electronic medical record system, resulting in a more efficient access to these documents

## Projects

Piazza Post Classifier – C++ project

Nov. 2017 to Dec. 2017

- Implemented a program which uses machine learning through the use of a binary tree which is ultimately able to read in piazza posts and run an algorithm to calculate and determine what the category of the post is

Euchre – C++ Project

Oct. 2017 to Nov. 2017

- Designed a program that plays the card game Euchre
- know scenarios where which card would be dealt in an ideal situation using a human and computer input

Web Schedule Builder - HTML

Mar. 2017 to Apr. 2017

- Worked with a team to create an HTML page that helps users to determine how they want to schedule their classes based on date, time, professor, and location, while incorporating the functionality of Google Maps for class location

## Volunteering

Michigan Health Aid · Happy and Healthy Kids Volunteer Sept. 2016 to Apr. 2017  
Ann Arbor, MI

- Provided health related knowledge to groups of 10 underprivileged children in first and second grade, allowing them to increase their autonomy for health related decisions in their daily lives and experience a normal and friendly environment
- Assisted in activity development to help develop creative games that children would enjoy, helping them take more from the lesson than a standard lecture