

NITISH VIJAI

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Education

University of Michigan, Ann Arbor

B.S.E. Computer Science Engineering, *College of Engineering*

Sophomore, GPA: 3.29/4.0

April 2023

Current Coursework (Fall 2020): Data Structures and Algorithms, Practical Programming in Java, Applied Linear Algebra, Intro to Probability and Statistics, Technical Communication

Future Coursework (Winter 2021): Computer Organization, Computational Theory, Computer Science Pragmatics

Completed Coursework: Programming and Intro to Data Structures, Discrete Math

Relevant Projects

Personal Website (<https://nitishv.dev>)

May – June 2020

- Designed and developed personal portfolio website from scratch with **HTML5**, **CSS**, **JavaScript**, and **jQuery**
- Implemented modern web concepts, including lazy loading, PHP form validation, etc.

Store Scraper ([GitHub: nitishvijai/StoreScraper](https://github.com/nitishvijai/StoreScraper))

January – April 2020

- Independently developed web scraper in **Python** to scrape three popular online retailers (Amazon, eBay, and Best Buy) and extract the cheapest product from user input, using **BeautifulSoup** and **Selenium** libraries
- Wrote and published tutorial on Enlight (enlight.nyc), a site that teaches one to learn how to code by building cool projects

Eventempo ([GitHub: nitishvijai/Eventempo](https://github.com/nitishvijai/Eventempo))

December 2019 – February 2020

- Independently developed **Universal Windows** multiple countdown timer app that shows how much time is left until each event, built during my school's winter break
- Implemented backend with **C#** and **XAML** for frontend, gained exposure to app development and advanced C# concepts (asynchronous programming, file I/O, etc.)
- Deployed app to the Microsoft Store and received positive reviews

Work Experience

Air Force Institute of Technology (Wright-Patterson Air Force Base)

Dayton, OH

Wright Scholar Research Intern

June – August 2019

- Developed **Python** script to automate benchmark analysis on remote Edge AI Linux embedded devices (Jetson TX1/Jetson Nano)
- Benchmarked performance measurements via ActiveDSO (ActiveX control) over SSH connection to Windows-based oscilloscope
- Presented my results and findings to senior Air Force staff and fellow Wright Scholar interns

MSC Technology

Chennai, India

Web Developer Intern

June – August 2018

- Implemented commodity/grievance system **web application** using HTML5, JavaScript, jQuery, and ASP .NET MVC (C#) to be deployed worldwide in MSC's HRMS, OneVision
- Developed **SQL tables and queries** in Visual Studio and Microsoft SQL Server to interoperate with the web application and efficiently manage requests and user data for MSC's Human Resources department

Extracurriculars and Leadership Experience

Invitational Event Volunteer, University of Michigan Science Olympiad

February 2020

Member and Show Participant, Indian American Student Association

September 2019 – Present

Technical Skills

Proficient: C++, Python, C#, HTML5, CSS3, jQuery, SQL

Familiar: ASP.NET, JavaScript, Java, MATLAB

Technologies: Windows, Linux, WSL, Visual Studio, VSCode, Git, BeautifulSoup, Selenium

Awards and Honors

Dayton Alumni Scholarship – University of Michigan Alumni Club of Dayton

August 2019

Eagle Scout Award – Boy Scout Troop 516

April 2018

Interests

Academic: Full-stack web development, .NET app development, database management, UI/UX design

Personal: Travelling, running, learning about new technology, and Indian culture, music, and dance