

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

May 2023

Relevant Coursework: Programming & Introductory Data Structures, Discrete Math

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

Familiar: ASP.NET, AngularJS, JavaScript, jQuery, Java, MATLAB, Oracle PL/SQL

Technologies: Windows, Linux, Windows Subsystem for Linux (WSL), VSCode, Visual Studio, SQL Developer, Git, Microsoft Office

Projects

Personal Website (GitHub: nitishvijai/nitish-website-v2)

May 2020 – Present

- Developing a personal website displaying my portfolio of skills and projects, replacing my older GitHub Pages site
- Designed from scratch with HTML, CSS, and JavaScript

Eventempo (GitHub: nitishvijai/Eventempo)

December 2019 – February 2020

- Developed Universal Windows multiple countdown timer app that shows how much time is left until the event, built during my school's winter break
- Implemented backend with C# and XAML for frontend, learned about app development and advanced C# concepts (asynchronous programming, file access, 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 a Python script to automate benchmark analysis on remote Edge AI embedded devices (Jetson TX1/Jetson Nano)
- Gathered power and performance measurements via ActiveDSO (ActiveX control) over SSH connection to a Windows-based oscilloscope
- Presented my results and findings to senior directorate staff and fellow Wright Scholar interns

MSC Technology

Chennai, India

Web Developer Intern

June – August 2018

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

Extracurriculars and Leadership Experience

Invitational Event Volunteer, University of Michigan Science Olympiad

February 2020

- Helped run the Division B (middle school) programming event, "Game On", and graded tests
- Attended event supervisor training and helped set up invitational materials weeks before the competition

Member and Show Participant, Indian American Student Association

September 2019 – Present

- Helped a team add mulch to a local neighborhood's playground as part of the Gandhi Day initiative
- Participated in a cultural dance performance in the fall

Honors

Eagle Scout Award – Boy Scout Troop 516

April 2018

Dayton Alumni Scholarship – University of Michigan Alumni Club of Dayton

August 2019

Interests

Academic: Backend development, application development, UI/UX design

Personal: Travelling, running, and Indian culture, music, and dance