

# Meelan Patel

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📄 <https://meelanp.github.io/>

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## EDUCATION

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### UNIVERSITY OF MICHIGAN – ANN ARBOR

*Bachelor of Science in Computer Science*

*Expected Graduation: August 2020*

- **Cumulative GPA:** 3.0/4.0
- **Relevant Coursework:** Data Structures and Algorithms, Database Management Systems  
Web Systems, User Interface Dev.  
Foundations of Computer Science, Intro to Computer Organization  
Discrete Math, Introduction to Statistics and Data Analysis  
Game Development

## EXPERIENCE

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### BLUE CROSS BLUE SHIELD OF MICHIGAN

*June 2019 – August 2019*

*IT Intern*

- Developed a new archetype in Java to improve the scalability and efficiency of future webservices
- Composed shell scripts to streamline file manipulation processes
- Learned about the healthcare industry and the role of technology within it

## PROJECTS

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### LOST FANTASY – <https://royalguardstudios.itch.io/lost-fantasy>

*February 2020 – April 2020*

- Collaborated in a team of five on an online multiplayer action role-playing game using C# and Unity
- Lead the design and implementation of UI elements of the game
- Incorporated the iterative design process and weekly deliverables to reach the final product

### WEBSITE GENERATOR

*October 2019*

- Built an Instagram-like website using HTML templates and client-side dynamic pages
- Wrote a client application in JavaScript that makes AJAX calls to the REST API
- Used Python to parse JSON data to create templates using Jinja and React.js

### PERSONAL WEBSITE – <https://meelanp.github.io/>

*June 2018 – August 2018*

- Constructed a website to showcase portfolio and web development skills
- Learned web development by teaching myself HTML5, CSS3, and jQuery
- Utilized CSS Grid to create a responsive website without frameworks

### STOCK MARKET SIMULATOR

*February 2018*

- Constructed an efficient stock market simulator in C++ using priority queues
- Incorporated complexity analysis into programming decisions

## SKILLS

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- **Programming Languages:** C++, Java, C#, Python, JavaScript, SQL, HTML5 & CSS3
- **Speaking Languages:** English (Native), Hindi (Int.), Gujarati (Beg.), Spanish (Beg.)
- **Applications:** Unity, Microsoft Office Suite, Linux, Microsoft Visual Studio, Eclipse, Git