

## Aryan Patel

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### Education

University of Minnesota Twin Cities, Minneapolis, MN

**Bachelor of Science in Computer Science**

*Expected Graduation: May 2025*

*GPA: 3.38/4.0*

### Skills

- Languages: Java, JavaScript, Python, Flutter, HTML, CSS
- Frameworks: PyCharm, IntelliJ, VS Code
- Others: Git, GitHub, Microsoft office

### Projects

- Self-Efficiency *Independent project*
  - Created an application which allows teachers to simulate an AP testing environment to help prepare their students.
  - Designed filters to allow categorization of test questions by difficulty, time period, subject, etc.
  - Utilized an iterative process from teacher feedback to refine and upgrade features.
  - Researched Java algorithms to increase efficiency of data manipulation
- Gibberisher *Independent Project*
  - Utilized Java to create a A.I. that generates “gibberish” words based on a passed in English dictionary
  - Created data structures such as Trie’s to keep track of possible letter frequency combinations based on stored data
- Better days *Group Project-Team lead*
  - Create an application that takes a universities mental health resource and organizes for students to access easily
  - Using Flutter, we were able to create a simple User Interface students can use when having panic attacks
  - Managed a five-person team and created a productive environment by doing team bonding activities
- Beta Chi Theta Website *Independent project*
  - Designed\Edited the Beta Chi Theta Lambda Chapter to better promote events and traditions
  - Utilized HTML and CSS to generate a design for the website's User Interface.
  - Created features such as slideshows and calendars through the integration of JavaScript
  - Currently learning React to recreate the website to increase efficiency using libraries

### Leadership/activities

- United Student Education *2021- Present*

*Project Director*

  - Creating software for apps to further student education whether it is spreading awareness about mental health or learning math
  - Leading a group of 6 individual to develop an app that helps students find mental health resources
  - Delegates tasks to team members and creates schedules for each individual to ensure project milestones are met
- Cyber Patriot tournaments *September 2020- February 2021*

*Team Member*

  - Contributed to a cyber defense competition for K-12 students where our team was ranked top five in three competitions.
  - Collaborated with a team to locate bugs in a complex system
  - Conducted on the spot research to find ways to eliminate errors
- Beta Chi Theta *May 2022- Present*

*External Vice President*

  - Coordinated with various organizations, such has Bharat and United student education, to host events for 200+ individuals
  - Promote involvement in external activities by streamlining communication and establishing a community.