

Irtiza Khan

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| irtizaaah.github.io/personal-website/

Education

California State University, East Bay

Fall, 2022 (Expected Graduation)

- **Bachelors** of Science, **Computer Science**
- GPA **3.65**
- **Courses** Software Engineering, Deep Learning, Data Structures, Algorithms, Discrete Math, Computer Architecture, Assembly Language, Calculus Series

Glendale Community College

Spring, 2018-2021

- **Associates** of Science, **Mathematics**

Skills

- **Languages:** JavaScript, HTML, CSS, C++, Python, Java
- **Frameworks/ Libraries:** React JS
- **Version Control:** Git, Github

Academic Experience

NASA Scholarship Program

Winter, 2020

- **Competed** in a **team** to **build** a mock **Mars rover** at **JPL (Jet Propulsion Labs)**
- **Designed** and **responsible** for all the **code** in the mock Mars rover.
- **Won** the **most valuable** person **award**.

Projects

Navigation Simulator (with Pathfinding Visualization)

Winter, 2021 - 2022

- **Visualizes fastest route** to a destination on a **maze-map** with **traffic** using **Dijkstra's Algorithm**
- **Tools:** React, JavaScript, HTML, CSS

NBA Player Stat Dashboard

Spring, 2022

- **Searches** and **graphs** player **data**, **fetched** from **NBA API**
- **Tools:** JavaScript, HTML, CSS, Chart JS

Internal Chat App (Software Engineering Class Project)

Spring, 2022

- Allows **employees** to **communicate** with **each other** over a **server**, and **system admin** to **track** all **messages**.
- **Worked** in a **team**, built **requirement docs** and **design docs**, and identified **design patterns**, **implemented client** and **server** using **sockets**
- **Tools:** Java

Music Genre Prediction AI (Deep Learning Class Project)

Spring, 2022

- Processes live audio, and detects musical genre of audio with an 80% accuracy
- **Collected and cleaned** 10 hours of audio **data**, **Processed** audio **data** for learning, **Implemented** a **convolutional neural network**
- **Tools:** Python, Tensorflow

Other

2018 U.S. Election

Fall, 2018

- I **volunteered** as a **poll worker**, dealing with voters and other workers