

# Aisha Ahmed

<https://aahm2221.github.io/>

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## EDUCATION

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### Metropolitan State University

December, 2021

*BS Computer Science*

*St. Paul, MN*

- 3.9/4.0 GPA
- Relevant Coursework: Distributed and Cloud Computing; Parallel and Distributed Algorithms; Operating Systems; Networks and Security; Organization of Programming Languages; Object-Oriented Design; Database Management Systems; Algorithms and Data Structures

## PROJECTS

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### Poro Rank

- A serverless web application hosted in AWS that ranks League of Legends esports teams.
  - <https://devpost.com/software/pororank>
- Architected serverless architecture to fully utilize AWS services including: API Gateway, Lambda, DynamoDB, S3, and CloudFront.
- Spearheaded a single-table design in DynamoDB for optimal performance and cost.
- Created lambda functions using docker images for language flexibility across functions.

### Essential Piece Fitness

- A Remix React app built with Sanity as a headless CMS.
  - <https://esspfitness.com/>
  - [https://github.com/EssentialPiece/DigitalChannel\\_EssentialPiece](https://github.com/EssentialPiece/DigitalChannel_EssentialPiece)
  - [https://github.com/EssentialPiece/DigitalChannel\\_SanityStudio](https://github.com/EssentialPiece/DigitalChannel_SanityStudio)
- Worked with a fellow developer to build a personal training site for a client.
- Helped with solution design to identify appropriate technologies to use for the specified use-case.
- Connected React app to Sanity GraphQL APIs to pull dynamic content.
- Design implemented with a Mobile-First approach.

### Emulator as a Service

- A Node Js Nintendo Entertainment System emulator with read only memory storage.
  - <https://github.com/n-okonek/ICS-499>
- Designed and built data structure of application in MySQL using best practices.
- Created Models in backend service and exposed RESTful endpoints with Express.
- Used Sequelize as ORM to interact with MySQL DB.

## WORK EXPERIENCE

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### Minneapolis Public Schools

January 2023 – June 2024

*Reserve Teacher*

*Minneapolis, Mn*

- Replace absent teacher in managing a classroom of students.
- Follow lesson plan left by absent teacher to ensure the continued learning of the students.

### Normandale Community College

January 2018 – May 2018

*Peer Tutor*

*Bloomington, Mn*

- Planned and led group study sessions for Intro to Chemistry students.
- Provided guidance and mentorship to students.

## SKILLS & INTERESTS

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- **Skills :** Java; Python; SQL; C#; JavaScript; CSS; HTML; JavaFx; Node Js; Express; Sequelize; ORM; REST; .Net; GCP; AWS; Unit Testing; JustMock; React; Bootstrap
- **Certificates:** AWS Certified Developer - Associate