

# Myat Minn Thiha

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## Education

### Bachelor of Science, Artificial Intelligence.

Aug 2021 - May 2023

Illinois Institute of Technology – Chicago, IL.

Relevant Courses: Java OOP, Discrete Structures, Linear Algebra, Data Structures and Algorithms, Probability,

## Work Experience

### Illinois Institute of Technology – Chicago, IL

#### OTS AV Support

Jan 2023 - Apr 2023

- Conducted weekly inspections for faulty AV equipment in over 40 classrooms
- Handled tickets made to the AV department and resolved 10+ tickets every week
- Fixed 20+ faulty AV equipment on duty
- Managed departmental email communications, providing guidance to faculty and students for issue resolution, resulting in a 25% decrease in escalations and improved overall problem resolution time

#### Research Assistant

Jan 2023 - present

- Coded a ML program that identifies an author given previous data using sklearn, jupyter notebook, and pandas
- Worked on a program that filters through the data of the top 200 users of each forum in Stack Exchange and collects the data of the top 100 users who are active across multiple forums which was the main backbone of the project

## Relevant Extracurricular

### ACM TankWars Hackathon

Apr 2023

- Developed an advanced and effective tank algorithm for a competitive tournament, advancing to the semi-finals among over 100 participants.

### AI EarthHack Hackathon

Jan 2024

- Designed a program that analyzes the business ideas for circular economy using a generated AI evaluation based on their relevance, potential, and efficiency.
- The program's features include creating clusters of similar business ideas and using a regression model to update the evaluated scores of businesses in the same cluster if the user wishes to update the score of a business in the cluster.

## Project

### Portfolio Website

- Built a responsive portfolio website using HTML, CSS, JavaScript, and ReactJs
- Ensured compatibility with mobile and tablet devices for optimal display across various screens
- Integrated an email contact form for efficient and direct communication

### Implied volatility calculator

- Developed a tool to calculate and chart 30-day short-term implied volatility of stocks using Black-Scholes and Newton-Raphson methods, comparing it with the stock's 30-day realized volatility.
- Included a prototype that charts both implied and realized volatilities of Apple across early 2021 - late 2023.
- Integrated a UI for both macOS and Windows for ease of use.
- Built with Python and utilizes yfinance API for real-time data.

### Sentiment Analysis

- Designed a sentiment analysis tool that aggregates and analyzes news about companies, visually representing the timeline of the sentiment around it.
- Generative AI is also integrated to infer and explain the timeline of the sentiment.
- Implemented with R, Python and NLP Cloud API

**Programming Skills:** Java, JavaScript, Python, R, C++

**Other:** Git, ReactJS, NodeJs, ExpressJs, MongoDB, HTML, CSS, Scikit-learn, TensorFlow, Pandas, Matplotlib, Numpy.