

# Myat Minn Thiha

[mminnathiha@gmail.com](mailto:mminnathiha@gmail.com) | LinkedIn [www.linkedin.com/in/myat-minn-thiha-8a60b6255/](https://www.linkedin.com/in/myat-minn-thiha-8a60b6255/) | Github [github.com/Thiha3013](https://github.com/Thiha3013)

## Education

### Bachelor of Science, Artificial Intelligence.

Aug 2021 - May 2023

Illinois Institute of Technology – Chicago, IL.

Relevant Courses: Java OOP, Linear Algebra, Data Structures and Algorithms, Statistics, Probability, Relational Databases

## 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

- Developed an author classification tool with Python, scikit-learn, Jupyter, enhancing data analysis precision.
- Pioneered a Stack Exchange data filtration system, isolating the top 100 multi-forum active users from a pool of the top 200 per forum, bolstering project insights

## 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

- Created an AI-driven program to assess the circular economy business ideas on relevance, potential, and efficiency
- Implemented clustering for similar business concepts, with a regression model to dynamically adjust the scores within the cluster upon user updates

## 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

- Engineered a tool to calculate and chart 30-day implied vs. realized stock volatility using Black-Scholes and Newton-Raphson methods
- Developed a prototype displaying Apple's volatility from early 2021 to late 2023
- Designed user-friendly interfaces for macOS and Windows
- Built with Python and leveraging yfinance API for up-to-date data

### Sentiment Analysis

- Crafted a tool for aggregating and analyzing company news sentiment, with a visual sentiment timeline
- Integrated generative AI for sentiment timeline inference and explanation
- Implemented using R, Python, and Mistral-7B model

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

**Others:** Git, ReactJS, NodeJs, ExpressJs, MongoDB, Docker, Unix, TensorFlow, Pandas, Matplotlib, Selenium, mySQL.