

ARFATH SYED

📍 Chicago, IL

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Education

Illinois Institute of Technology

Master of Computer Science

May 2025

Chicago, IL

Relevant Coursework

- Data Structures
- Software Engineering
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Mobile Application Development
- Software Quality Management
- Software Modelling

Skills

Languages: Java, Python, C++, Dart, JavaScript, SQL

Web Technologies: HTML, CSS, React.js, Next.js, Material UI, RESTful APIs

Developer Tools: VS Code, Google Cloud Platform, Android Studio, IntelliJ IDEA

AI & Machine Learning: OpenAI, Computer Vision, Machine Learning

IoT Technologies: Contactless Sensors, IoT Integration

Version Control: Git, GitHub,

Professional Skills: Collaboration, Communication, Adaptability, Analytical Thinking, Time Management

Experience

Software Engineer Fellow

July 2024 – Present

Headstarter AI

Remote

- Designed, coded, and deployed **AI-driven applications**, playing a key role in the entire **Software development lifecycle**, from concept to **production**, to deliver high-performance solutions.
- Worked closely with **senior engineers** to apply industry best practices in AI and software development, deepening my understanding of **AI integration** and optimizing development processes.
- Advanced my technical expertise by learning and implementing new technologies, particularly in **AI** and **machine learning**, while participating in workshops and seminars to stay up-to-date with **emerging trends**.

Projects

AI Customer Support | *React, Next.js, OpenAI*

August 2024

- Collaborated in a team to develop an **AI-powered** chatbot using Python, React, Next.js, and OpenAI.
- Integrated the chatbot into a custom dashboard with **NextAuth** for secure user authentication.
- Contributed to building a **responsive dashboard** component displaying user information and the AI chatbot interface.
- Demonstrated teamwork and proficiency in **AI, full-stack development**, and **user-centric design**.

Inventory Management System | *Next.js, React, Firebase*

August 2024

- Developed a dynamic inventory management application with **real-time data synchronization** using Firebase.
- Designed and implemented a responsive UI with Material UI, ensuring a seamless **user experience** across devices.
- Enabled full **CRUD** functionality, including item addition, editing, and deletion, with real-time updates.
- Deployed the application on **Vercel**, showcasing proficiency in **deployment** and **cloud-based services**.

Weather App | *Flutter, Dart, OpenWeather API, RESTful APIs*

November 2023

- Developed a **cross-platform** weather application using Flutter and Dart to provide **real-time updates** for current and favorite locations.
- Integrated the OpenWeather API to deliver accurate and reliable **weather information**, including current conditions and forecasts.
- Designed an **intuitive user interface** with Flutter, ensuring a smooth and responsive experience across various devices and platforms.

Battleship Game | *Flutter, Dart, Battleship API, Game logic*

October 2023

- Developed a **cross-platform multiplayer Battleship game** using Flutter and Dart, allowing players to compete against each other or an **AI** opponent.
- Integrated the Battleship Game API to manage game logic, **server-side interactions**, and **real-time gameplay synchronization**.
- Implemented **real-time gameplay features and seamless interactions**, enhancing the overall user experience and ensuring consistent performance across devices and platforms.