

Usman Asghar

US Citizen | Chicago, IL | 847-924-0948 | usmanasghar2121@gmail.com | [Linkedin](#) | [GitHub](#) | usman-asghar.com

Education

University of Illinois at Urbana-Champaign

Graduation: December 2026

Masters of Science in Computer Science

GPA: 4.00 / 4.00

- **Relevant Coursework:** Database Systems, Data Visualization, Theory and Practice of Data Cleaning

University of Illinois at Chicago

Aug 2022 - May 2025

Bachelor of Science in Computer Science

GPA: 3.77 / 4.00

- **Relevant Coursework:** Data Science, Artificial Intelligence, Network Security, Data Structures, Computer Algorithms, Applied Statistical Methods, Systems Programming, Software Design, User Interface Design, Linear Algebra

Technical Skills

Languages: Python, SQL, C/C++, Java, JavaScript, HTML, CSS, R

Developer Tools: AWS, Docker, Git/GitHub, Tableau, Excel, Firebase, Vercel, Vite, Unix, OpenRefine, Neo4j

Libraries: Pandas, Seaborn, Scikit-learn, Matplotlib, Plotly.express, React, AngularJS, Bootstrap, NodeJS, SpringBoot

DataBases: MongoDB, Oracle, PostgreSQL, MySQL, NoSQL

Experience

Global Career Accelerator Program

May 2024 – August 2024

Data Analyst

Chicago, IL

- Analyzed business problems using SQL and Python, applying techniques such as exploratory data analysis, summary statistics, and data visualization to uncover actionable insights.
- Wrote and optimized advanced SQL queries to efficiently extract, filter, and manipulate large datasets.
- Utilized Python libraries like Pandas and NumPy to clean and analyze data, and created visualizations and dashboards in Tableau to clearly communicate findings.

UIC Technical Help Desk

Jun 2023 - Aug 2023

Technical Analyst

Chicago, IL

- Optimized workforce scheduling during peak periods by analyzing over 6 months of support ticket data and implementing predictive analytics, resulting in a **25%** improvement in average response times.
- Led the design and deployment of a ticketing system used by a team of 10 technicians, decreasing ticket resolution time by **35%** and improving team coordination.
- Troubleshoot hardware and software issues across multiple OS environments, reducing system downtime and increasing user productivity.

Projects

FridgeFlow | React, Firebase, Vite, HTML, CSS

[GitHub](#)

- Developed a responsive web app using **React**, **HTML**, and **CSS** to manage shared fridge inventory, featuring real-time chat and automatic expiration tracking used by **40 households**
- Integrated **Firebase Firestore** for real-time data syncing across inventory, shopping lists, and messaging, ensuring consistency for all users.

Website Audience Analysis | Python, SQL, Tableau

[GitHub](#)

- Performed advanced data analysis using **SQL** and **Python** to query, clean, and process large datasets, uncovering actionable insights on audience engagement for Grammy.com.
- Created interactive **Tableau** dashboards to visualize trends and audience metrics, enabling data-driven decisions for The Recording Academy.

Battleship | Java, JavaFX, Maven, CSS

[GitHub](#)

- Developed a multi-threaded server-client system in **Java** using TCP protocols to enable real-time messaging and user interactions during gameplay.
- Built a responsive client GUI with **JavaFX**, featuring live chat, user status updates, and custom UI components to enhance the user experience.
- Implemented server-side back-end logic to manage multiple client connections, session handling, and asynchronous messaging, ensuring scalability and high performance.