

# Waqar Ahmed

773-786-1127 | [waqar.ah1011@gmail.com](mailto:waqar.ah1011@gmail.com) | [linkedin.com/in/waqar-ahmed1011](https://www.linkedin.com/in/waqar-ahmed1011) | [github.com/waq1011](https://github.com/waq1011)

## EDUCATION

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### University of Illinois at Chicago - College of Engineering

Bachelor of Science in Computer Science

Expected: Dec 2024

**Relevant Coursework:** Data Structures, Object-Oriented Programming, Database Systems, Framework-based Development, Secure Web Application Development, User Interface Design, Software Engineering, Computer Design, Machine Organization, Computer Algorithms, Operating Systems, Artificial Intelligence, Machine Learning, Data Science, Natural Language Processing

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, Dart, Go, C#, JavaScript, HTML/CSS, MongoDB, R, F#, SQL, MatLab

**Frameworks:** Google Test, React.js, Node.js, Angular, Flutter, Valgrind, GDB, JUnit, WordPress, MUI, FastAPI, Maven, Rest API, Kubernetes, jQuery, Scikit-learn

**Developer Tools:** Git, GitHub, GCP, Microsoft Azure, AWS, Docker, VS Code, IntelliJ, Android Studio, RStudio, npm, Yarn, Maven, SDLC, Linux, Eclipse

**Libraries:** Pandas, NumPy, Matplotlib, Arduino Scripting

## RELEVANT EXPERIENCE

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### Full-Stack Developer Intern

June 2024 – Present

BTG Construction Inc

Chicago, IL

- Developed and deployed the company's full stack web application using React, Node.js, and MongoDB, providing a seamless experience with efficient data management.
- Created responsive, user-friendly interfaces with HTML, CSS, and JavaScript frameworks, that enabled users to access detailed project information and easily schedule consultations.
- Coordinated with sales and cross-functional teams to gather project requirements, design intuitive user interfaces, and deliver scalable web solutions aligned with business needs on schedule.

### Software Engineering Intern

Dec 2023 – May 2024

Boosted Biz

Chicago, IL

- Collaborated with a team of 3 in the software development department at Boosted Biz, focusing on both front and backend solutions for a range of business applications.
- Built backend functionality using JavaScript, SQL, and Python, optimizing database management and implementing efficient API integrations.
- Developed an AI chatbot using Python, JavaScript, CSS, and Angular, designed to assist users with order inquiries and product recommendations, significantly improving user engagement and customer satisfaction.

### Undergraduate Teaching Assistant

Aug 2023 – Present

University of Illinois at Chicago

Chicago, IL

- Designed interactive MATLAB lesson plans using Zybooks for 250+ students, covering matrices, data types, operators, arrays, structures, and more, resulting in an improved understanding of core programming concepts.
- Provided personalized office hours in person and over zoom to address student challenges, improving course comprehension and program design skills.
- Proctored lab sessions, by giving small lectures, illustrating concepts on the board, and providing real-time coding assistance and troubleshooting support to 50+ students.

## PROJECTS

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### Automated AI Crypto Bot | HTML/CSS, JavaScript, Node.js, MongoDB, Python, Scikit-learn

February 2024

- Developed a full-stack AI-powered crypto trading bot, creating an appealing user interface with real-time data visualization.
- Implemented a secure backend, integrating Coinbase API for automated trades, while storing price data and transactions.

### Real Estate Predictor App | Python, Django, Scikit-learn, Pandas, Numpy, Matplotlib, HTML/CSS, JavaScript

June 2023

- Created a web application in which users can predict the value of a property based on its features.
- Built a robust, multi-linear regression, Machine Learning model using Scikit-learn to accurately predict property values.