Waqar Ahmed

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EDUCATION

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

Languages: Java, Python, C/C++, Dart, Go, C#, JavaScript, HTML/CSS, MongoDB, R, F#, SQL, MatLab
Frameworks: Google Test, React.js, Next.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, Maven, SDLC, Linux, Eclipse
Libraries: Pandas, NumPy, Matplotlib, Arduino Scripting

RELEVANT EXPERIENCE

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 boost the applications SEO(search engine optimization).

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, and assisted them in completing their projects by the specified deadlines.
- Proctored lab sessions, by giving small lectures, illustrating concepts on the board, providing real-time coding assistance and troubleshooting support to 50+ students.

PROJECTS

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.