

Mohammed Ali Khan

Location: Chicago, IL (Open to Relocate)

LinkedIn: [linkedin.com/in/mohammed-alikhan](https://www.linkedin.com/in/mohammed-alikhan)

Phone: +1 (786) 701-1390

Portfolio: mohammed-alikhan.github.io/portfolio-new

Email: connectwithalikhan@gmail.com

GitHub: github.com/mohammed-alikhan

OBJECTIVE

Results-driven software engineer with over 3 years of experience in the industry, known for a get-it-done attitude. Seeking a challenging role to drive innovation and contribute to cutting-edge projects and organizational growth through technical expertise and collaborative problem-solving.

EDUCATION

Northeastern Illinois University, Chicago, IL

May 2024

Master's degree in Computer Science, GPA 4.0

Relevant Courses: Discrete Modeling and Analysis, Analysis of Algorithms, Object-Oriented Design, Computer Networks, Cryptography, Software Engineering, Professional Computing, Web Application Development, Design of Database Systems, Informatics, Cross-Platform Mobile Application Development.

SKILLS

Programming Languages: Python, JavaScript, Java, C++, SQL, HTML5, CSS3

Framework and Libraries: React.js, Flask, Node.js, Bootstrap, jQuery

Tools and Technologies: Git & GitHub, Docker, Kubernetes, Jenkins, AWS, Azure, JIRA, Slack, Postman, Power BI, MySQL, MongoDB, Firebase, Adobe Photoshop, Figma, Drupal, Canva, Microsoft Office Suite

Methodologies: Agile (Scrum, Kanban), CI/CD, OOP, TDD, RESTful APIs, MVC, Data Analysis, Data Visualization, UI/UX, Web Design, SEO

Soft skills: Analytical Thinking, Adaptability, Team Collaboration, Critical Thinking, Discipline, Attention to Detail, Project Management, Client Engagement

EXPERIENCE

Graduate Research Assistant | *Northeastern Illinois University*

Feb 2023 - May 2024

- Spearheaded data analysis and synthesis from 40+ universities and 1200+ healthcare facilities using **Python**, **Qualtrics**, and **Excel**, significantly streamlining a nursing department feasibility study. Automated survey processes required by the Illinois Board of Nursing with **Qualtrics**, achieving a 30% increase in data collection efficiency. Successfully led the research that resulted in the establishment of the Nursing Department at NEIU.
- Worked on licensing teaching candidates using **TK20**, producing high-quality reports that improved submission efficiency by 40% and ensured compliance with Illinois State Board of Education requirements.
- Executed advanced data cleansing and organization using **Python** and **Excel**, resulting in about a 20% increase in data accuracy and a 15% boost in departmental efficiency.
- Supported interdisciplinary projects, contributing to the successful completion of various initiatives within the College of Education.
- Utilized **Drupal** to make website changes and edits for the Daniel L. Goodwin College of Education, enhancing the online user experience and information accessibility.
- Organized and hosted multiple events for the Daniel L. Goodwin College of Education, and designed posters, flyers, and banners using **Adobe Photoshop** and **Canva**.

Computer Science Lab Assistant

Jan 2023 - Feb 2023

- *Provided personalized guidance on coursework and lab projects (Java, Python and Math), contributing to a roughly 15% increase in class average grades.*
- *Overhauled lab curriculum in collaboration with academic staff, boosting student.*
- *Achieved a near-perfect 99.99% uptime for lab equipment, minimizing disruptions and fostering a seamless learning environment.*

Library Front Desk Associate

Mar 2022 - May 2022

- *Ensured optimal performance and reliability of library computer systems, achieving 98% system uptime and enhancing patron access to digital resources. Managed student appointments and directed them to appropriate services using **TutorTrac**, **Google Drive**, and **Microsoft Office**, improving operational efficiency by 20%.*
- *Created a welcoming environment for students and assisted with online appointments, utilizing strong **interpersonal and communication skills** to enhance student satisfaction and engagement. Integrated **TutorTrac** software for the Learning Success Center, boosting operational efficiency by 20%.*

VOLUNTEER EXPERIENCE

Junior Developer | Next Future IT | Hyderabad, Telangana, India

Oct 2020 - Oct 2021

- *Designed, coded, and modified websites using **HTML**, **CSS**, **JavaScript**, and **React.js**.*
- *Conducted thorough testing to enhance site performance using **Jenkins**, achieving a 25-30% improvement in load times and a 15% decrease in bounce rates.*
- *Developed and deployed responsive web applications, resulting in a 25% increase in user engagement and a 10% rise in conversion rates.*
- *Employed agile methodologies, including **Scrum** and **Kanban**, to streamline project delivery, reducing timeframes by about 20% and increasing sprint velocity by 15%.*

RECENT ACADEMIC PROJECTS

Healthcare Assistant Application

- *Developed a cutting-edge digital healthcare assistant leveraging **Python**, **Flask**, **React.js**, and **Firebase** to provide real-time health, nutrition, and diet-related advice.*
- *Seamlessly integrated **OpenAI's GPT-4 Turbo** model for contextually relevant responses, enhancing user engagement and satisfaction.*
- *Implemented secure user authentication and dynamic real-time chat functionalities using **Firebase** and **OAuth**, ensuring top-notch **security** and an unparalleled user experience.*
- *Conducted comprehensive rigorous unit and integration tests using **Jenkins**, achieving 90% accuracy in AI-generated responses with a response time of under 2 seconds.*
- *Enhanced mobile responsiveness and user interaction, creating a highly intuitive and user-friendly interface.*

Calendrix System Website Optimization & Analytics Integration

- *Launched a **Google Analytics** dashboard with IP exclusion and bot/spam filters, enhancing web traffic monitoring and data accuracy. Conducted detailed traffic analyses, such as 'Device Traffic Comparison,' to identify optimization areas, showcasing a comprehensive approach to digital marketing and web development.*
- *Overhauled website design using **HTML**, **CSS**, and **JavaScript**, and implemented **SEO** strategies, significantly boosting organic search visibility and user engagement.*

CERTIFICATIONS

- Postman API Fundamentals Student Expert (Postman – Mar 2024)
- Google Analytics (Google – May 2023)
- Software Engineering Virtual Experience (JPMorgan Chase & Co. – Sep 2020)