Umar Khan

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EDUCATION

University of Illinois — Chicago, IL
Bachelor of Science in Computer Science — *May 2025*

TECHNICAL SKILLS

Languages: Dart, C/C++, Java, Python, HTML, CSS, JavaScript, Typescript, Rust, F#.
Frameworks: Flutter, React, Nodr.js, PostgreSQL, Java FX, JUnit, TensorFlow, Jira.
Developer Tools: Android Studio, Git, GitHub, VS Code, Visual Studio.

RELEVANT WORK EXPERIENCE

Software Development Intern — January, 2025 – Present
Ingenio Care Inc. — *Lombard, IL*

- Developed application components for the Ingenio Care Network using React, Node.js, Sequelize, and PostgreSQL.
- Tested and debugged software, reducing defects by 30%, while ensuring performance and quality standards.
- Collaborated with the team to design and implement three new features, enhancing user experience and functionality.
- Resolved over 15 technical challenges, delivering solutions in a fast-paced startup environment within tight deadlines.
- Contributed to operational initiatives outside primary responsibilities, driving a 10% improvement in team productivity.

Computer Science Tutor — January 2023 – December 2024
University of Illinois — *Chicago, IL*

- Delivered personalized feedback and assessments, leading to a 20% improvement in students' comprehension and academic performance within three months.
- Conducted one-on-one coding sessions, employing real-world examples and debugging exercises, resulting in a 40% improvement in assignment grades and confidence.
- Mentored students in building web applications and solving advanced algorithmic problems, fostering analytical thinking and robust coding practices.
- Tutored students in software design principles, data structures and algorithms (DSA), and languages including Java, Python, and C++, ensuring mastery of fundamentals.

PROJECT EXPERIENCE

Evently | *ReactJS, Node.js, Python, Machine Learning, Agile* — August 2024

- Developed a React-based web application, **Evently**, allowing users to discover and RSVP to events with personalized recommendations, enhancing user experience.
- Engineered a web scraping pipeline using Node.js and Python to aggregate and standardize real-time event data from multiple sources.
- Implemented a machine learning model to analyze user RSVP history, increasing user engagement by 40% through event recommendations.
- Designed and deployed a secure QR code check-in system, ensuring seamless, fraud-resistant event participation for attendees.

Smart Grocery | *Flutter, Dart, Git, Jira* — March 2024

- Built a cross-platform app for iOS and Android with Flutter, implementing a responsive UI and seamless user navigation.
- Designed a SQL database with secure authentication via hashed passwords to manage user profiles and retrieve 1000+ recipes.
- Led the integration process and ensured timely task completion by employing Git for version control and Jira for Agile task tracking.
- Developed a recommendation system using a machine-learning algorithm, enhancing user engagement by 35% and recipe conversions by 25%.