Omar Ahmed

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EDUCATION

Lehman College (CUNY)   Bronx, NY
Bachelor of Computer Science | GPA: 3.65/4.00   Graduated May 2024

SKILLS

Programming Languages & Frameworks: C++, Python, Java, Kotlin, Swift, JavaScript, HTML, CSS, React, React Native, Node.js, Tailwind, Next.js, Express, Bash
Technologies & Tools: Xcode, Git/GitHub, Docker, MongoDB, MS Office Suite
Languages: English, Arabic

EXPERIENCE

Full Stack Engineering Consultant, Floreo Labs   Aug 2024 - Nov 2024
- Led the development of a machine learning algorithm using Python, Pandas and GeoPy to improve compatibility between students and companies in a workforce development program. Achieved an accuracy increase from 30% to 95%, incorporating factors such as gender balance, programming language compatibility and other demographic information.
- Managed cross-functional team, leading communications with leadership and creating technical documentation.

Web Developer Intern, Black Mentor Network   Jun 2024 - Aug 2024
- Designed and developed a secure, responsive website using React, Tailwind CSS and Javascript for an educational nonprofit, implementing SEO best practices and optimizing for performance
- Delivered weekly updates to stakeholders and integrated feedback into user-centric web applications.

Lab Tech Manager, Bronx Community College CLIP   May 2021 - Present

- Led installation, configuration, and troubleshooting of software for students and faculty, improving system performance.
- Implemented computer maintenance protocols, enhancing reliability through regular scans and updates.

PROJECTS

Quran Verse of the Day Website   October 2024
- Developed a Quran Verse Website using Next.js, React, Chakra UI, Node.js, Express, and MongoDB with features like random verse display, favorites, history, Tafsir (interpretation), audio recitation with multiple reciters, prayer times, and dark mode.
- Integrated Axios for external APIs, and supported responsive design with customizable Islamic backgrounds.

Tasbeeh App   September 2024 - October 2024

- Created an Android app using React Native for prayer times, Quran, Tasbeeh, and Hadith with real-time and offline features.
- Integrated API services for real-time prayer times and offline access to core features such as Quran and Hadith.

Real-Time AI-Enhanced Audio Transcription Application   Jul 2024 - Aug 2024

- Developed a real-time transcription app using Python, Deepgram API, and Open AI to improve text accuracy and workflow.
- Improved transcription quality with AI-generated summaries for cleaner output and concise documentation.

ASSOCIATIONS

Lehman College Computer Science Club   Jan 2023 - May 2024