

Humza Aamir

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Technical Skills

Languages: Python, Java, JavaScript, HTML, CSS, Sass, TypeScript, C/C++, Verilog

Frameworks: React, Node.js, Flask, Material-UI, Angular, Spring Boot, Express.js, Next.js, Vue.js, Bootstrap

Development Tools: Git, GitHub, Bash, MongoDB, Linux, Firebase, Figma, JUnit, Postman, Webpack, Jest

DevOps: AWS, Kubernetes, Docker, Vercel, Render

Experience

Cascadia Carbon

Jan 2024 – Present

Software Developer

Toronto, ON

- Revamped React to Next.js web app, for intuitive navigation and 20% faster loading.
- Deployed web app to Firebase for seamless scalability and management.
- Enhanced user experience with dynamic features and animations, leading to a 15% increase in user engagement.
- Streamlined onboarding process, enabling new developers to integrate and contribute 25% faster.

Project Human City

Jan 2023 – 2024

Software Developer

Toronto, ON

- Collaborated with cross-functional teams to enhance product responsiveness by 20%, accessibility by 15%, and user satisfaction by 20% through rigorous user tests and A/B testing.
- Developed and implemented new React functional components from scratch, optimizing the user experience and reducing UI bugs by 30%.
- Refactored a secure Node.js with Express.js back-end server, improving performance by 10% and reducing maintenance costs by 20%.
- Developed REST APIs for efficient user data communication between the front-end and back-end, while integrating MongoDB to ensure secure storage of sensitive information.

Excel Lassonde

Sept 2022 – Dec 2022

Software Developer

Toronto, ON

- Identified and addressed performance bottlenecks, implementing optimization techniques such as image compression, lazy loading, and caching, resulting in a 10% faster page load time.
- Revamped UI designs and mock-ups using Figma, increasing user adoption rates by 70% and reducing support tickets by 10%.
- Successfully integrated York University's Duo authentication system, strengthening web security and reducing false tutor appointments by 60%.
- Transformed the back-end with Node.js and Express to flawlessly manage front-end requests from over 500 students, ensuring uninterrupted service.

Projects

AI Portfolio ChatBot | Python, React, Flask, Rendor, MongoDB | [GitHub](#) | [AI Portfolio Chatbot](#)

Mar 2024

- Created an AI Chatbot using Python and Flask, reducing recruiter inquiries by 30% and streamlined communication for a smoother recruitment process.
- Utilized a feedforward neural network with 128 neurons in the first layer and 64 neurons in the second layer. After 200 epochs of training, the model achieved an accuracy exceeding 90%.
- Improved user interaction through intelligent responses, resulting in a 40% increase in engagement and a positive user experience.

CrimeVue | Python, JavaScript, Next.js, Node.js, Express.js, MongoDB | [GitHub](#) | [CrimeVue](#)

Feb 2024

- Designed and developed a web application using Python and Selenium to enable real-time analysis of over 1,000 monthly crime incidents, empowering users to identify crime hot spots efficiently.
- Secured user data by implementing authentication protocols with Bcrypt encryption, mitigating potential security risks.
- Enhanced application reliability and user-friendliness through comprehensive functional and security testing, collaborating with users on over 22 improvements.

Education

York University

Aug 2019 – 2023

Bachelor of Engineering with Honours: Computer Engineering (BEng)

Toronto, ON

- **Relevant Courses:** Data Structures and Algorithms, Software Design, Algorithms Analysis, Database Management, Intro to AI, Linear Algebra, Computer Architecture, Object-Oriented Programming