Humza Aamir

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Technical Skills

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML, CSS, R
Frameworks: Astro, React, Express, NodeJS, MongoDB, Vue, BootStrap, Angular
Cloud Tools: AWS, Kubernetes, Docker, Vercel
Developer Tools: Git, Figma, JUnit, PostMan, Canvas, Bash

Experience

Project Human City - Software Developer   Jan 2023 – Present
Remote   *Toronto, ON*
- Collaborated with a team of 5 developers through an agile development process to improve responsiveness, accessibility, and UI design, resulting in a 30% improvement in product quality and a 20% increase in client satisfaction ratings
- Spearheaded the development of the front-end, by employing a user-centered design approach by conducting 45+ user tests to determine the best UI/UX approach, resulting in improved user experience and increased engagement
- Revamped existing wireframes, utilizing a responsive design approach to improve the platform's usability by 10% and accessibility by 40% across a variety of devices, resulting in a more intuitive and streamlined user experience.

Excel Lassonde - Software Developer   Sep 2022 – Dec 2022
York University   *Toronto, ON*
- Redesigned wireframes and mock-ups using design software such as Figma to showcase design concepts and user interfaces for various web applications, leading to 70% higher user adoption rates.
- Designed, developed, and deployed customized software applications by collaborating with cross-functional teams to analyze user requirements, resulting in enhanced user test cases and greater inclusivity for all users.
- Implemented various performance optimization techniques, including image compression, lazy loading, and caching, resulting in an 80% reduction in page load times and a significant increase of 5,000 monthly website visitors.

Projects

CrimeVue | *Python, JavaScript, Nextjs, Node, Express, MongoDB* | Github | CrimeVue   June 2023
- Developed a large-scale responsive web application which maps real-time crime data, utilizing Python and Selenium to scrape up-to-date crime data from Twitter. Successfully collected and dynamically processed over 10,000 crime incidents per month, enabling users to visualize and analyze crime hot spots and patterns in real-time.
- Implemented a secure JWT authentication system, incorporating encryption and token-based authentication, to protect user data and ensure trusted access to the crime mapping application, mitigating potential security risks and enhancing user confidence.
- Performed rigorous testing methodologies, including unit testing, integration testing, and user acceptance testing, collaborating closely with users to gather feedback and implementing over 22 improvements and enhancements, resulting in a highly reliable and user-friendly application.

Fact Checking Platform | *Astro, JavaScript* | Github | Fact Check   Apr 2023
- Co-developed a fact-checking site with a user-centered design approach, resulting in a 40% increase in user engagement and a 50% decrease in misinformation consumption among users.
- Oversaw the development of multiple design iterations and conducted user testing with 60+ participants, resulting in a significant improvement in user experience and overall satisfaction.
- Conducted thorough website audit and implemented targeted improvements, including optimizing website speed, streamlining navigation, and improving component functionality, resulting in a significant increase in user engagement and a more efficient user experience.

Google Play Store Review Scraper | *Python* | Github   Nov 2022
- Designed a personalized Google Play Store Review Scraper using Python and web scraping tools, resulting in a 37% increase in overall app ratings and a 63% reduction in negative reviews.
- Employed techniques like tokenization, stopword removal, and stemming to increase review accuracy by 25% and improve data usefulness by 50%.

Education

York University   Toronto, ON
Bachelor of Engineering with Honours: Computer Engineering   *Aug. 2019 – 2023*