




# Humza Aamir

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## Technical Skills

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**Languages & Frameworks:** Python (Flask), Java (Spring Boot), JavaScript (React, Node.js, Angular, Vue.js, Next.js, Express.js), HTML/CSS (Sass, Bootstrap), TypeScript, C/C++, Verilog, Ruby

**Databases:** MongoDB, Postgres, MySQL, Redis

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

**DevOps:** AWS, Kubernetes, Docker, Vercel, Render

## Experience

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### Cascadia Carbon

Jan 2024 – Present

Software Developer

Toronto, ON

- Revamped React to Next.js web app, enhancing navigation and reducing load time by 20%, improving user retention.
- Deployed web app to Firebase, ensuring seamless scalability and management, resulting in a 30% increase in handling traffic.
- 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, integrating MongoDB to ensure secure storage, increasing data retrieval speed by 25%.

### 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%.
- Integrated York University's Duo authentication, enhancing 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 and reducing request handling time by 15%.

## Projects

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### 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, reducing security breaches by 50%.
- Enhanced application reliability and user-friendliness through comprehensive functional and security testing, leading to a 30% reduction in user-reported issues and implementing over 22 improvements.

## Education

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### York University

Graduated

*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