

Umer Bashir

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Skills:

Languages: C, C++, Python, Java, HTML, CSS, JavaScript, PHP, R, MySQL, FPGA, VHDL.

Frameworks & Platforms: .NET, React, React Native, Node.js, Windows, Linux, UNIX, Canva, Figma, Slack.

Tools & IDE: VS Code, IntelliJ, GitHub, Docker, SolidWorks, MATLAB, Maple, Arduino IDE

Methodologies: Agile, Scrum, DevOps, Jira, Kanban, CI/CD Testing, and Software Development Life Cycle (SDLC).

Other Tools: MS Office 365 (Word, Excel, Power BI, Outlook, PowerPoint), Adobe CC, Visual Paradigm.

Education

Ontario Tech University | Oshawa, ON

Graduating 2026

Bachelor of Software Engineering CO-OP

CGPA: 3.35/4.3(B+)

Coursework: Web Programming, Object Oriented Design, Data Structures & Algorithms, and Systems Programming.

Experience:

OER Content Developer

May 2023 – Current

Ontario Tech University

Oshawa, ON

- Developed and launched free course content, significantly reducing student expenses by 12.5%, while ensuring content accessibility and compliance with **WCAG 2.0 standards using Pressbooks and H5P**.
- Designed and produced over 10 intricate 3D biological models with **Adobe Illustrator, SolidWorks and Shapr3d**, for all first year Biology courses at Ontario Tech University.
- Enhanced educational websites with **Cascade CMS**, increasing accessibility by 25% through the integration of technical specifications and system requirements to meet academic goals.

Software Developer Intern

May 2024 – Aug 2024

BrandEQ Group

Toronto, ON

- Collaborated with a multidisciplinary team of 7 to design and develop a professional networking app targeting women, incorporating multiple **front-end and back-end features using React Native**.
- Conducted extensive testing and debugging to ensure app **functionality, usability, and security**, reducing bugs by 40% while working with **UI/UX** designers to refine user interfaces and enhance user experiences across platforms.
- Engineered and deployed a launch website for the app, integrating **HTML, CSS, JavaScript, and MySQL** to establish robust database connections and improving web performance by 25%

Web Developer

Jun 2022 – Sep 2022

BrandEQ Group

Toronto, ON

- Spearheaded the design of client websites using platforms like **Wix and WordPress**, focusing on user interface improvements and strategic content management to enhance digital engagement.
- Managed and optimized content strategy for 4 business clients, organizing over 30 posts and media releases, resulting in a 25% boost in audience engagement and improved brand reputation.

Coding Instructor

Sep 2020 – Sep 2023

Canada Learning Code

Toronto, ON

- Designed and implemented a diverse coding curriculum for students of varying skill levels, showcasing strong leadership and pedagogical skills.
- Led engaging coding sessions in **Java, Python, C++, Lua, and Gamemaker**, fostering an environment of creativity and problem-solving, which culminated in student-led game and project development.

Projects

[Heart Disease Prediction Model](#) | **R Modelling and Visualization, Jupyter Notebook**

- Developed a predictive model using ML techniques in R, to analyze clinical data and predict health outcomes.

[Light Up Puzzle Game](#) | **Full Stack Development, GitHub, HTML, CSS, JavaScript**

- Engineered a grid-based strategic puzzle game, focusing on both front and back-end functionalities.

[Mini Robotic Arm](#) | **C++, Arduino, electric components**

- Programmed a robotic arm using C++, Arduino, to simulate precise movement and task execution.

[3-d Scissor Lift](#) | **SolidWorks, CAD, 3-d modeling, MS Excel, MS Word**

- Designed a portable, sustainable scissor lift with an electric hydraulic system, safety features, and modular battery.