ANJALI **KOSURI**

https://kosanj.github.io/personal-portfolio/ • github.com/kosanj • linkedin.com/in/anjalikosuri

HIGHLIGHTS OF QUALIFICATIONS

- Highly proficient in Python, C#, C, C++, Java, HTML, CSS, JavaScript, Mbed OS and MS Office.
- Knowledgeable with .NET, SQL, Confluence, Jira, Git, Autodesk Inventor, Angular, Selenium, and MATLAB.
- Demonstrate strong analytical skills and effective communication - both one-on-one interactions and group discussions.
- Display a high degree of integrity, dedication, and reliability by consistently meeting both personal and group deadlines.

EDUCATION

Bachelor's Degree in Mechatronics and Biomedical Engineering (Level V) - McMaster University **September 2021 - Current**

Hamilton ON, Canada | CGPA: 11.8 out of 12 | Deans' Honour List 2021-2025

- Relevant coursework: Data Structures & Algorithms, Software Development, Embedded Systems, Computational Statistics, Analog & Digital Circuits, Biomedical Signals & Control Systems, Biomechanics, Medical Imaging, Calculus I–IV, Linear Algebra

Certifications: Microsoft Certified: Azure AI Fundamentals (July 2025), Azure AI Engineer Associate (August 2025)

WORK EXPERIENCE

Premier Construction Software **May 2025 - August 2025**

Full-Stack Developer Intern | Markham, ON

- Resolved complex UX bugs on both the mobile app (Angular + .NET C#) and website (AngularJS + .NET C#), including rendering issues, layout inconsistencies, loading delays, and virtual scrolling inefficiencies.
- Redesigned UI layouts and implemented language localization to ensure proper alignment for languages with varying text lengths.
- Engineered a custom tooltip system to replace native browser title tooltips, enabling richer interactions and consistent styling.
- Developed SQL scripts for data correction and to modify email templates stored in the database.

McMaster University **September 2024 - December 2024**

Math Help Centre Teaching Assistant | Hamilton, ON

- Supported students in understanding core calculus concepts, and using Python to solve math and statistics problems.

Scotiabank **May 2024 - August 2024**

Junior Software Developer Intern | Toronto, ON

- Developed code to upgrade a .NET + Angular web portal, resolving software currency issues by creating an API for user credential retrieval via active directory querying and integrating Windows Authentication to replace outdated authentication protocols.
- Led presentations on Google Cloud HDE, AI, and Gemini, conducting demos for PyTorch computer vision and Gemini API integration.
- Maintained an application profile, technical design document, and certificate requests to enhance project security and documentation.
- Developed proposal slides with cost analysis and vendor comparisons to support business decisions.

University Health Network **May 2022 - August 2022**

At-The-Elbow, Technical Support Co-op | Toronto, ON

- Provided direct support to hospital staff during the rollout of the Epic electronic health record software, assisting with software usage and workflow adoption.

PROJECTS

Personal Portfolio Website | *HTML, CSS, Javascript, Bootstrap* **December 2023 - Current**

- Maintain a personal portfolio website leveraging HTML, CSS and Javascript to showcase an array of skills and project experiences.
- Used Bootstrap to facilitate the implementation of standardized and dynamic webpage styling techniques.
- Employed media query techniques to ensure responsiveness of the webpage, allowing for seamless page resizing and compatibility across a wide range of screen sizes and device types.

Safety-Critical Pacemaker System | *Python, MATLAB Simulink* **September 2023 - December 2023**

- Applied Simulink and Python to implement pacemaker modes which communicate with an external DCM through serial communication.
- Implemented hardware abstraction to facilitate easier maintenance and ensure modularity in the system design.
- Gained experience adhering to rigorous software development life cycle procedures, including thorough documentation practices and hazard analysis methods to ensure the reliability and safety of the system.

Reinforcement Learning Program for Cart-Centering Problem | *C++* **April 2023**

- Developed a C++ solution using stacks and binary trees to generate mathematical expressions for controlling a cart's movement.
- Evolved expression trees via mutations and iterative evaluations to support reinforcement learning–based cart-centering optimization.