

HARRY MEHTA

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL PROFILE

Versatile programmer and developer with expertise in multiple programming languages, algorithm implementation, and application development. Skilled in both back-end logic programming and front-end user interface development. Combines strong coding fundamentals with software engineering best practices to deliver efficient, maintainable solutions.

TECHNICAL QUALIFICATIONS

Programming Languages

Advanced: JavaScript, Python, HTML/CSS

Proficient: C#, Java, Kotlin, SQL, C++

Working Knowledge: Rust, PowerShell

Frameworks & Libraries

Web: React.js, Node.js, ASP.NET Core, Express.js

Mobile: React Native, Android SDK

Core: .NET Framework, Pygame, Spring Boot

Database & Data Structures

Databases: MongoDB, MySQL, SQL Server, PostgreSQL

APIs: RESTful, GraphQL, JWT, OAuth 2.0

Data Structures: Arrays, Linked Lists, Trees, Graphs

Development Tools & Systems

Version Control: Git, GitHub, GitLab

IDEs: VS Code, Visual Studio, IntelliJ, PyCharm, CLion

DevOps: Azure, Docker, CI/CD workflows

PROGRAMMING PROJECTS

E-Commerce Platform [GitHub Repository](#)

- Developed full-stack application using MERN stack (MongoDB, Express.js, React, Node.js)
- Implemented complex data manipulation functions for product filtering, sorting, and cart calculations
- Designed normalized database schema with efficient indexing for optimized query performance

Mobile Music Application [GitHub Repository](#)

- Programmed a native Android application in Kotlin, implementing MVVM architecture pattern
- Designed object-oriented class structure with inheritance for efficient code organization
- Developed asynchronous data fetching with coroutines for responsive API integration
- Built custom data persistence layer with Room database, implementing DAO pattern

Discussion Forum System [GitHub Repository](#)

- Engineered ASP.NET Core MVC application with C# backend and Entity Framework Core
- Created custom data access layer with repository pattern for abstracted database operations
- Implemented complex database queries with LINQ for efficient data retrieval and manipulation
- Designed responsive front-end using Razor, JavaScript, and CSS for optimal user experience

EDUCATION & TECHNICAL TRAINING

Nova Scotia Community College | Halifax, NS

Diploma in IT Programming

Relevant Coursework:

September 2023 - May 2025

GPA: 3.7/4.0

- Data Structures & Algorithms
- Database Design & Implementation
- Object-Oriented Programming
- Web Application Development
- Systems Analysis & Design
- Mobile Application Development
- Server-Side Programming
- Software Engineering Principles
- Prog Logic & Problem Solving

Technical Certifications & Training:

- ◆ Microsoft Azure Fundamentals (AZ-900)
- ◆ Advanced Programming Techniques

TECHNICAL EXPERTISE

Programming & Algorithmic Skills

- Implemented algorithms for sorting, searching, and data structure manipulation in multiple languages
- Applied Object-Oriented programming principles including inheritance, polymorphism, and encapsulation
- Created multithreaded applications for improved performance in processing-intensive tasks

Software Development Capabilities

- Built responsive user interfaces with modern frameworks, balancing aesthetics and functionality
- Designed robust database schemas with appropriate relationships and constraints
- Developed RESTful APIs with proper endpoint design, error handling, and documentation

Development Methodologies

- Applied Agile methodologies with iterative development and continuous improvement
- Practiced test-driven development to ensure code functionality and reduce bugs
- Implemented CI/CD pipelines for automated testing and deployment processes

ADDITIONAL PROJECTS

Portfolio Website [GitHub Repository](#)

- Constructed responsive website using vanilla JavaScript, HTML5, and CSS3 without frameworks
- Implemented custom DOM manipulation functions for interactive UI elements and animations
- Created modular CSS architecture with reusable components and responsive design patterns
- Optimized performance with efficient JavaScript event handling and asset management

2D Game Engine [GitHub Repository](#)

- Programmed a 2D ping pong game in Python utilizing PyGame library for graphics rendering
- Developed custom physics engine with collision detection algorithms and vector mathematics
- Implemented game state management system with event-driven architecture

PROFESSIONAL EXPERIENCE

Costco Wholesale | Dartmouth, NS

September 2023 - Present

Cashier

- Operate computerized point-of-sale systems, applying technical troubleshooting when needed
- Demonstrate strong multitasking capabilities in fast-paced technical environment

PROGRAMMING ACTIVITIES

- **Algorithm Challenges:** Participant in coding competitions and algorithm challenges
- **Adaptability:** Quick learner with capability to adapt to new technologies and requirements
- **Personal Projects:** Developed side projects exploring new languages
- **Continuous Learning:** Self-taught programming beyond curriculum