

# Amal Shaiju

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[GitHub Profile](#)  
Python, C#, Java, JavaScript

## PROFESSIONAL EXPERIENCE

### URtech Manufacturing Inc

May 2021 – Aug 2021

Computer Programming Analyst Co-op

- Increased 20% data warehouse efficiency by optimizing table indexes and defragmentation
- Improved document retrieval time from 15 min to 2 min by creating a cloud-based documentation system
- Increased server query response time by 17% by restructuring API
- Saved over 200 hours of development time per month by creating reusable UI components.
- **Resulted In:** Improved problem-solving skills and OPP principles by working on their large codebase, fixing its bugs, and improving their exception handling for future debugging
- **New Technology Learned:** API, Data structures/Algorithms, Angular, Node.js, Power-BI, Cloud dev, SQL

## SELECTED PROJECTS

### Web Development And DB Management Project

Jan 2021 – Apr 2021

Brochure Website | [Bkmm.in](#)

- Formulated and developed a production ready responsive website for a Chartered Accountant firm
- Modeled and Created OLTP database to store business data
- Increased 90% data entry efficiency by transferring historical data from excel to RDBMS using SSIS
- Developed ASP.NET Core app to improve the organization of customers, invoices, and schedules
- **Resulted In:** Improved database management/administration. Acquired ETL skills and Learned to prioritize tasks and modules based on its urgency.
- **New Technology Learned:** ETL, SSIS, jQuery, WordPress, Elementor, MYSQL

### Software Development Project

Apr 2021 – Apr 2021

OASIS | [GitHub](#)

- Lead a team of 4 to develop an application that tracks the progress of a project from quoting to completion
- Applied version control software (Git) to track, test, and update pre-existing code
- **Resulted In:** Acquired code organizational skills by using appropriate design patterns for Object-oriented-programing and learned to work in a collaborative environment
- **New Technology Learned:** C#, ASP.NET core, MVC architecture, Code first design, Razor pages, SQLITE

### Mobile Application Project

Apr 2021 – Apr 2021

Anime North | [GitHub](#)

- Developed a Xamarin application that uses RESTful API for data retrieval
- Implemented an algorithm that ranks players based on the Elo rating system
- Performed unit testing to ensure optimal interpretation of UI in all three-application environment
- **Resulted In:** Got exposed to mobile development and learned the basics of Xamarin and UWP
- **New Technology Learned:** RESTful API, UWP, XML

## EDUCATION

### Niagara College

Expected Jan 2022

Computer Programming and Analysis | Advanced Diploma (3y prog)

- Achieved 88/100 cumulative (Current)
- Recipient of President's Honor Roll Academic Achievement Award
- Increased a student cumulative by 47 points by developing learning strategies, recommending learning resources, answering inquiries, and helping him get ready for examinations.