AMAN RAY

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Profile Summary

Junior Software Developer skilled in C#, .NET, SQL, and Python. Experienced in building full-stack applications using MVC architecture and relational databases. Strong problem-solving skills with a focus on clean code, scalable design, and data-driven development. Eager to contribute to real-world software projects.

Technical Skills

- **Languages:** C#, Python, SQL, HTML, CSS, JavaScript
- **Frameworks & Tools:** .NET, .NET Core, ASP.NET Core MVC, Entity Framework, LINQ, Git, GitHub, Visual Studio
- **Databases:** SQL Server, SQLite
- **Concepts:** OOP, MVC Architecture, REST & RESTful APIs, System Architecture, Clean Code, Debugging, Performance Optimization, Data Analysis, EDA, Authentication (Identity), Basic ML
- **Dev Practices:** Agile/Scrum, Version Control, CRUD Development, Technical Documentation, Research, Investigation, Client Presentation, Report Writing

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Education

Niagara College, Welland Campus – Diploma in Computer Programming
Graduated: April, 2026

Projects

Music Library – MVC Web and Mobile Application

- Built an ASP.NET Core MVC application for managing music collections and playlists.
- Developed feature proposals and technical reports to support project planning.
- Implemented CRUD, search, filtering, and scalable MVC architecture.

Movement Unlimited – Client Charting System (ASP.NET Core MVC)

- Collaborated with clients to gather requirements and presented solution designs to supervisors.
- Developed a HIPAA/PHIPA-compliant charting system with session documentation and client history tracking.
- Produced detailed documentation, proposals, and operational reports for system workflows.
- Implemented SOAP-based charting, PDF upload/export, and integrated ASP.NET Core Identity for authentication.

Tech Hackathon Web API

- Developed a .NET 9 Web API with SQLite and Swagger to manage multi-entity Hackathon data
- Created DTOs and Metadata classes to enforce validation rules and control API payload output.
- Implemented CRUD and include-based endpoints, added a seeded database initializer, and deployed the Web API to Azure.

References

Available upon request