

# M.A CHANIDU SENARATHNA

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Bandarawela/Haputhale

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## SKILLS

- **Programming Languages:**
    - Python, C#, C, Java
  - **Concepts/Mathematics:**
    - OOP, Design Patterns, Microservices Patterns, Data Structures, Algorithms, Linear Algebra, Statistics, Probability
  - **Tools/Frameworks:**
    - .NET(Razor, Blazor, MVC , Web APIs), Django, Node.js, Express.js, ML.NET, TensorFlow, PyTorch, scikit-learn, SQL, PHP, JavaScript, HTML, XML, JSON
  - **Databases:**
    - SQLite, MySQL
  - **Machine Learning & AI:**
    - Supervised & Unsupervised Learning, NLP, Computer Vision, Language Models
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## PERSONAL PROJECTS

### GraphQL API for Complex Queries

- **Objective:**
  - Developed a GraphQL analytics dashboard API tailored for an eCommerce platform, optimizing query performance and reducing unnecessary data retrieval. [\[Source Code\]](#)
- **Technologies Used:**
  - ASP.NET Core, Hot Chocolate (GraphQL), SQLite, Redis, JWT-based authentication

### Distributed Microservices Architecture (with CQRS and Event Sourcing)

- **Objective:**
  - Designed an eCommerce platform using a microservices architecture for scalability and efficient data handling. [\[Source Code\]](#)
- **Technologies Used:**
  - ASP.NET Core, Kafka (for asynchronous messaging), Redis (as distributed cache), Entity Framework Core.

### Event-Driven Inventory Management System

- **Objective:**
  - Created a real-time inventory management system for an eCommerce platform with automated alerts for stock levels.[\[Source Code\]](#)
- **Technologies Used:**
  - ASP.NET Core, Kafka (for event-driven communication), Event Sourcing, Docker, Kubernetes.

### API Gateway for E-Commerce Platform

- **Objective:**
    - Developed an API Gateway to centralize and optimize traffic routing for microservices in an eCommerce system.[\[Source Code\]](#)
  - **Technologies Used:**
    - ASP.NET Core, Ocelot, Consul, OAuth2/JWT
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## EDUCATION & ADDITIONAL INFORMATION

- **Education :**
  - Diploma in Information Technology ,Esoft Metro College (Pearson University)
  - G.C.E Ordinary Level :
    - Passed with 3c's & 5s
- **Other Technical Skills:**
  - Version Control & Collaboration: GitHub
  - Community & Support Platforms: Stack Overflow
  - Data Science & Machine Learning Platforms: Kaggle
  - Problem Solving & Debugging, Data Analytics, Software Design Patterns
  - Documentation & Libraries: .NET Package Documentation (proficient in referencing .NET libraries and official docs)
- **Languages :** English, Sinhala
- **Contact Me :** +94-72-911-4058 / +94-77-975-5306

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