

Syed Muzammil S R

Software Developer | AI & Machine Learning Specialist

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SUMMARY

Performance-driven Software Engineer with over 5 years of experience specializing in **C#, .NET Core**, and the integration of **AI/ML technologies**. Recently graduated with **Distinction in AI & Machine Learning**. Proven expertise in architecting **distributed systems** and high-fidelity **User Interfaces** within cloud-native environments, with a strong foundation in **Data Structures and Algorithms**.

SKILLS

- **Computer Science Fundamentals:** Data Structures, Algorithms, Distributed Systems, Object-Oriented Design (OOD).
- **Languages & Full Stack:** C#, Java, Python, SQL, TypeScript, JavaScript, ASP.NET Core, .NET Framework, Angular, Node.js.
- **AI & Machine Learning:** Generative AI, LLMs, RAG, Neural Networks (CNN), Computer Vision, MeloTTS, OpenVoice, PyTorch.
- **Cloud & DevOps:** GCP (Vertex AI, Cloud Run, Artifact Registry), MS Azure, Docker, CI/CD (GitHub Actions), SQL Server Optimization.

EXPERIENCE

Machine Learning Engineer | Vosyn | Part-Time | Remote, Canada | February 2026 – Present

- Expanded TTS language support from 6 to 23+ languages by **architecting a transition to Chatterbox TTS** within a **cloud-native, distributed system environment on GCP**.
- Optimized voice cloning fidelity and speaker matching through the **implementation of OpenVoice and MeloTTS**, contributing to high-performance multilingual pipelines.
- Accelerated deployment cycles within 2-week Agile sprints by **managing Dockerized components via Artifact Registry** and collaborating with product leads to refine technical backlogs.

Full Stack Developer | Zeroed | Full-Time | Remote, Canada | January 2025 – July 2025

- Improved system response time and efficiency by 35% by **applying advanced data structures and algorithms** to refactor core logic in **Angular and C#**.
- Scaled search capability to handle 1,000+ daily queries by **designing AI-driven search algorithms** and implementing strategic caching to minimize database latency.
- Reduced production rollback incidents by 20% by **automating CI/CD pipelines** using Docker and GitHub Actions, ensuring high-quality software delivery.

Software Developer | Mediterranean Shipping Company (MSC Technology) | Full-Time | India | August 2021 – April 2024

- Increased operational efficiency by 30% across 10+ enterprise applications by **developing robust User Interfaces and backend services** using **C# and .NET**.
- Enhanced data retrieval performance by 25% by **optimizing SQL indexing strategies** and refactoring legacy queries for mission-critical logistics tools.
- Reduced memory overhead by 20% for 8+ core applications by **refactoring legacy codebases using Object-Oriented Design principles**, leading to the **"Best Employee Award"**.

PROJECT EXPERIENCE

FinPulse: AI-Driven Financial Analytics Platform | AI Implementation and Full Stack Development | Canada

- Defined project scope for complex financial operations and forecasting by interviewing key stakeholders.
- Developed functional layers for trading analytics, delivering value through improved prediction precision.

Diagnosis of Diabetic Retinopathy | AI Implementation and Full Stack Development | Canada

- Achieved 92% accuracy through Transfer Learning and rigorous data validation across 50+ clinics.
- Awarded **3rd Place Project Excellence** for AI/ML implementation quality.

EDUCATION

Postgraduate Certificate in AI & ML | Conestoga College | Waterloo, ON | September 2024 – April 2025

Bachelor of Computer Science Engineering | S.A. Engineering College | India | September 2017 – April 2021

CERTIFICATIONS

Google Cybersecurity Professional Certificate | Coursera

TCPS 2: CORE 2022 | Panel on Research Ethics

AWARDS & ACHIEVEMENTS

- **Graduated with Distinction:** Conestoga College (AI & ML Postgraduate program).
- **Best Employee Award:** MSC Technology India Pvt Ltd (Recognized for performance and technical contribution).
- **3rd Place - Project Excellence:** Awarded for "Diagnosis of Diabetic Retinopathy" AI/ML implementation.