

# WASEEM ISMAIL

ASSOCIATE SOFTWARE ENGINEER

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[WaseemIsmail \(Waseem Ismail\) · GitHub](https://github.com/WaseemIsmail)

## PROFILE SUMMARY

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Innovative Software Engineer with 2 years of experience in designing and developing enterprise solutions using .NET Framework, .NET Core, C#, Angular, Typescript and MS SQL Server. Skilled in API development, distributed systems, and optimizing backend systems to meet high scalability and availability demands. Passionate about applying DevOps principles, microservices architecture, and cloud platforms (AWS) to deliver high-quality, production-ready software. Experienced in leveraging Large Language Models (LLM) for NLP applications. Strong collaborator in Agile/Scrum teams, with hands-on experience in ERP development, e-commerce platforms, and AI/ML solutions.

## WORK EXPERIENCE

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### Associate Software Engineer | XONT-Software Pvt. Ltd.

Jul 2024- Present

- Design and develop enterprise modules for the Ventura ERP suite using .NET Framework/.NET Core (C#), ASP.NET MVC, Angular, and MS SQL Server, supporting core business functions such as inventory, sales, and finance.
- Optimize stored procedures, queries, and indexing in MS SQL Server, significantly improving page load times and report generation for high-traffic screens.
- Design and customize Crystal Reports and analytical views, enabling management to access accurate, real-time operational and financial insights.
- Collaborate with BAs, QA, and senior engineers in an Agile/Scrum environment, participating in requirement discussions, code reviews, and release planning to ensure high-quality, production-ready deliveries.
- Diagnose and resolve production issues by analyzing logs, database behaviour, and API flows, helping to improve system stability and user satisfaction.

### Software Engineer - Intern | XONT-Software Pvt. Ltd.

Dec 2023- Jun 2024

- Contributed to full-stack development of the Ventura ERP using C#, ASP.NET MVC 4.6, Angular, and MS SQL Server, implementing new features and fixing bugs under guidance from senior engineers.
- Implemented pagination, filtering, and indexing for large datasets, helping maintain responsive UI and stable performance even under heavy user and data loads.
- Assisted in writing and maintaining stored procedures, views, and functions to support complex business logic and reporting requirements.
- Supported deployments and UAT by reproducing issues, validating fixes, and coordinating with QA and business users to ensure smooth releases.
- Gained practical experience with Git-based workflows, issue tracking, and Agile practices (daily stand-ups, sprint reviews, and retrospectives).

## EDUCATION

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### Sri Lanka Institute of Information Technology (SLIIT)

2021 - 2025

- BSc (Hons) in Information Technology Specializing in Software Engineering

### All Saints College

2006 – 2020

- Physical Science (Combined Maths – C, Physics – S, Chemistry – C, English – A)

## VOLUNTEER EXPERIENCE

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### Fairway Galle Literary Festival

2018

- Volunteer

### AIESEC in SLIIT

2023 – 2024

- IGT B2B Specialist
- Zandbox'23 And Zandbox'23 OC Vice President – LOG & EVE

2022 – 2023

## TECHNICAL SKILLS

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- Languages: C#, Java, Python, JavaScript/TypeScript, Kotlin
- Frameworks/Tools: .NET Core, ASP.NET MVC, Angular, React, Node.js, Express, Flask, FFmpeg, xUnit
- Enterprise Solutions: ERP development, distributed systems, microservices architecture, RESTful APIs
- Databases: MS SQL Server, MongoDB, Firebase, PostgreSQL, MySQL
- DevOps/Cloud: CI/CD pipelines, AWS (Beginner), Docker
- AI/ML: TensorFlow, Hugging Face, NLP, Large Language Models (LLM), model integration, TensorFlow/Keras
- Other: OOP, Design Patterns, Agile/Scrum, cross-functional teamwork

## CERTIFICATIONS

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AI/ML ENGINEER - STAGE 1 | POSTMAN API FUNDAMENTALS STUDENT EXPERT | AWS FOR BEGINNERS

## PROJECTS

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- **AI-Driven Meeting Summaries & Sentiment (NLP):** End-to-end pipeline: audio transcription (Whisper, ~78.3% WER-adjusted accuracy), abstractive summaries (T5), and sentiment (Transformers) to generate ready-to-use minutes/SRS.  
Stack: Python, JavaScript, Flask, FFmpeg, MongoDB, Whisper, T5, Hugging Face Transformers.
- **Keratoconus Disease Detection (CV/ML) :** Developed an early-stage detection system using CNNs, achieving a reported diagnostic accuracy of 93.65% in experiments.  
Stack: React, Flask, Bootstrap ,Node.js, TensorFlow, Keras, Python, Image Preprocessing.
- **Enterprise E-Commerce Platform:** Developed .NET Core Web API with React admin portal for managing roles/permissions, orders/products, and notifications. Designed REST endpoints and repository layer for efficient data access.  
Stack: C#, .NET Core, React, Bootstrap, MongoDB.
- **Public Transport Ticketing System:** Unified web/mobile ticketing system with user authentication, trip selection, and receipt generation.  
Stack: React Native, Node.js, Express, MongoDB.
- **FarmBuddy (Agri Ops Connector):** Mobile app connecting farmers/buyers; chat/orders, simple logistics flows.  
Stack: React Native, Expo, Node.js, Express, MongoDB.
- **Online Salon Management System:** Bookings, staff schedules, client history, payments.  
Stack: MongoDB, Express Js,React, Node.js.(MERN Stack)
- **Online Medicine Availability Checker:** Real-time pharmacy stock lookups and search for medicines.  
Stack: Java, Kotlin, Firebase.
- **Laundry Customer Management System:** Implemented order tracking, customer records, pricing, and receipts management.  
Stack: Java, Java Servlets, HTML/CSS, MySQL.

## PUBLICATIONS

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A Web-Based Application for Keratoconus Detection

Tuijin Jishu / *Journal of Propulsion Technology* · Dec 7, 2023

Published research on a web-based application utilizing machine learning for the early detection of keratoconus, achieving diagnostic accuracies up to 93.65%. Assisted medical professionals in identifying the disorder during its preclinical phase, contributing to advancements in ophthalmic diagnostic technology.

AI-Driven Contextual Summarization and Sentiment Analysis for Automated Project Documentation in Agile Meetings

Tuijin Jishu / *Journal of Propulsion Technology* · Apr 8, 2025

Published research on an end-to-end NLP pipeline that transcribes meeting audio (78.3% accuracy), generates concise summaries and SRS documents, and applies sentiment analysis to produce ready-to-use meeting minutes.

**Referees Would Be Shared Upon Request.**