

# Harshita Ramesh

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Work Authorization: Holding valid work permit to work in Ireland

Limerick, Ireland

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## Career Summary

- Software Engineer with 3+ years of combined experience — including 2+ years of professional software engineering (.NET Core) and more than a year of hands-on research and applied AI projects during a Master's in Computer Vision & AI (2025). Skilled in deep learning, PyTorch, TensorFlow, applied ML projects, and full stack development (.NET Core).
- Strong software engineering foundation in Python, C#, Java, SQL, and REST APIs, with growing expertise in LLM fine-tuning, prompt engineering, and model evaluation for safe and scalable AI applications.

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## Key Skills

**Programming & Backend:** Python, .NET Core, Java, C#, REST APIs, Kotlin, TypeScript, OpenAI API, SignalR

**AI/ML & LLMs:** PyTorch, TensorFlow, Keras, OpenCV, scikit-learn, HuggingFace (exposure), Prompt Engineering, RAG pipelines, n8n.

**Frontend:** JavaScript (learning Angular), HTML, CSS, React

**Databases:** SQL Server (SSMS), MySQL, PostgreSQL

**Cloud & DevOps:** AWS (Certified), Git/GitHub, Jira, CI/CD (GitHub Actions), basic Docker (learning Kubernetes/Terraform, Azure DevOps)

**Testing:** Unit Testing, Debugging, Automation

**Research Interests:** RLHF, model alignment, scalable deployment

**Concepts:** Agile Development, Clean Code, CI/CD (GitHub Actions), Automation & Optimization

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## Professional Experience

**Cognizant Technology Solutions, India**

**2022 August– 2024 April**

### *Junior Software Engineer*

Demonstrated strong problem-solving, communication, and multitasking skills by overseeing operations and ensuring timely delivery of solutions in fast-paced environments. Experienced working both independently and as part of a team, with a track record of adapting quickly to new challenges, maintaining attention to detail, and delivering high-quality outcomes. Proactive in supporting colleagues and clients, with a focus on efficiency, accuracy, and excellent service.

- Designed and deployed web applications using .NET Core and SQL (SSMS), improving performance of CRUD operations by ~50%.
- Migrated legacy MS Access and VBA applications to modern web frameworks, reducing maintenance overhead and improving reliability.
- Automated routine tasks (emails, database updates), saving ~15 hrs/month in manual effort.
- Supported transition of complex legacy systems to modern solutions, improving accuracy, reliability, and user experience.
- Documented the application and created the Disaster Recovery documents for all the applications, improving operational resilience.
- Collaborated effectively within Agile environments, contributing to team success through communication, adaptability, and attention to customer needs.

**Cognizant Technology Solutions, India**

**2022 February – 2022 July**

### *Intern*

- Completed ADM-Java training and implemented front-end enhancements using HTML, CSS, and JavaScript.
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## Projects

- **Chatzzz — AI-Moderated Real-Time Chat Application (GitHub):** Built a real-time chat application using **ASP.NET Core, React (TypeScript), and SignalR**, integrated with AI-based content moderation and automatic user banning. Implemented context-aware filtering and moderation logs in PostgreSQL. Future scope includes adding an ML.NET model for on-device moderation.
  - **AI-Powered Email Automation Workflow (GitHub):** Built an intelligent Gmail automation system using **n8n, Gmail API, and OpenAI** to auto-draft, review, and approve email replies, reducing manual effort through human-in-the-loop workflow automation.
  - **LLaMA 3.2 Video Chatbot (GitHub):** Built a multimodal chatbot using **LLaMA 3.2 8B** with **RAG** for knowledge retrieval.
  - **Web Application Modernization – Cognizant:** Worked on multiple enterprise web applications, contributing across backend (.NET Core, Python, SQL Server) and frontend (JavaScript, HTML/CSS).
  - **Exercise Monitoring Application with Pose Estimation (GitHub):** Built and optimized real-time recognition system using **Kotlin** (android studio) with lightweight models(**mediapipe blazepose**), demonstrating debugging and performance tuning skills. Achieved >95% accuracy in detecting reps across multiple exercises.
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## Certifications

- AWS Cloud Practitioner Essentials - Amazon Web Services (AWS)
  - NLP with Python – Udemy
  - Python Django Python Django – Udemy
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## Education

- Master of Engineering (MEng) in Computer vision and AI (2024-2025)  
**University of Limerick**  
**QCA: 3.2/4**
- Bachelor of Technology in Electronics & Communication Engineering (2018-2022)  
**St. Joseph's Institute of Technology**  
**CGPA: 8.48/10**