

Harshita Ramesh

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

Limerick, Ireland

Career Summary

- AI Engineer with 2 years of professional software engineering experience and a Master's in Computer Vision & AI (2025). Skilled in deep learning (PyTorch, TensorFlow), applied ML projects, and full-stack development. Hands-on experience building real-time vision systems, Retrieval Augmented Generation (RAG).
 - 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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Professional Experience

Cognizant Technology Solutions, India

2022 August– 2024 April

Junior Software Developer

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. Accomplishments:

- 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 March – 2022 July

Intern

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

Key Skills

Programming & Backend: Python, .NET Core, Java, C#, REST APIs, Kotlin

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

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

Databases: SQL Server (SSMS), MySQL

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

Projects

- **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 Python-based real-time recognition system with lightweight models, demonstrating debugging and performance tuning skills. Achieved >95% accuracy in detecting reps across multiple exercises.
 - **Gesture Detection Interface (GitHub):** Built an embedded Python hand gesture recognition system optimized for low-power devices, demonstrating real-time interaction capabilities. Designed lightweight models to enable real-time gesture recognition with >90% accuracy.
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Education

- Master of Engineering (MS) in Computer vision and AI (2024-2025)
University of Limerick
- Bachelor of Technology in Electronics & Communication Engineering (2018-2022)
St. Joseph's Institute of Technology