

Muhammed Roshan Palayamkot



First Class Computer Science graduate with hands-on experience building LLM-driven agentic frameworks, full-stack applications, and data-centric platforms. Proven ability to lead and deliver high-impact, production-grade projects. Keen on contributing to teams driving innovation through practical, impactful solutions.

Projects

Multi-Agent LLM Framework for No-Code Development

Sep 2024 - Apr 2025

- Designed and implemented a modular MAS framework using LLMs for no-code task automation.
- Benchmarked MAS performance against single-agent baselines using HumanEval and MBPP datasets.
- Explored model limitations, prompt design strategies, and agent orchestration.
- Candidate for submission to the *AAAI 2025 Summer Symposium* based on promising evaluation results.

Tech Stack : Python, CrewAI, Ollama, LangChain

Joints by Feonix

Sep 2023 - Apr 2024

- Spearheaded a 10-member team through the development of a collaborative brainstorming platform as part of a year-long academic project.
- Demonstrated at university showcase; project received top grade and positive faculty feedback.

Tech Stack : HTML, CSS, JavaScript, TypeScript, React, Firebase

Experience

Digital Solutions Coordinator @ Lathief Production

Sep 2024 - Nov 2024

- Debugged and deployed 5 production-level client websites.
- Liaised with 4+ clients weekly to streamline website and CRM/ERP rollout
- Oversaw 2+ client accounts, resolving issues proactively and maintaining 100% satisfaction rate.

Digital Marketing Intern @ Lathief Production

May 2024 - Sep 2024

- Built and maintained content pipelines for social media, blogs, and newsletters.
- Contributed to web analytics and SEO optimization.
- Conducted competitor analysis and user behavior research to inform digital marketing campaigns.

Education

Heriot Watt University - Dubai, UAE

Sep 2021 - Present

- Bachelor of Science (Hons) in Computer Science — Current GPA: 3.8/4.0
- Expected to graduate by May 2025

International Indian School - Jeddah, KSA

Apr 2019 - Mar 2021

- Senior high school Graduate - 94% (CBSE)

Skills

Programming : Python, Java, C#, Javascript, TypeScript

Frameworks : React, Angular, CrewAI, Autogen

Web Dev : HTML, CSS, WordPress, Shopify

Databases : MongoDB, SQL, Firebase

Tools : GitHub, Ollama

Languages

- English (C1)
- Malayalam (C2)
- Hindi (A2)