Sreekar Reddy Edulapalli

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

Professional Summary

AI Engineer building reliable LLM systems, RAG pipelines and agentic workflows for production use. Software Engineer at City Quokka and former IBM Application Developer and SDET. Master of Artificial Intelligence candidate (December 2026) with strong depth in evaluation, automation and deployment-ready engineering.

Technical Skills

Languages: Python, TypeScript, Java, JavaScript, SQL

AI Engineering: LLM systems, RAG pipelines, Agentic Workflows, MCP integrations, Prompt Engineering, Evaluation Design, Guardrail Patterns

Frameworks and Runtime: Next.js, React, Node.js, Express.js, WebLLM, Transformers.js, Ollama Cloud API, Spring Boot

Data and Analytics: scikit-learn, Feature Engineering, Model Validation, Tableau, Excel, Forecasting, Neo4j

Cloud and Platform: AWS (Lambda, API Gateway, DynamoDB), Supabase, PostgreSQL, Docker, Kubernetes, IndexedDB, WebContainers

Testing and Reliability: Playwright, Cucumber, JMeter, Jest, Vitest, GitHub Actions, CI/CD, Production Release Gates

Education

Master of Artificial Intelligence   **February 2025 - December 2026**
University of Technology Sydney
- GPA: 6.75/7.0

Bachelor of Technology, Computer Science Engineering (IoT)   **June 2017 - May 2021**
Jain University (Deemed-to-be University)
- Grade: 8.8 CGPA

Work Experience

Tutor (AI Education)   **February 2026 - Present**
AI Camp   Sydney, Australia
- Designed and delivered practical AI and Python workshops with live coding, then tracked learner progress and shared outcome-focused updates with parents and guardians.
- Built structured weekly learning plans and debugging rubrics to improve confidence and assignment completion across diverse student cohorts.

Software Engineer (Part-time)   **January 2026 - Present**
City Quokka   Sydney, Australia
- Architected the internal CRM from scratch and shipped core CMS features using Next.js, TypeScript and Supabase, owning delivery from schema design through production release.
- Introduced Playwright end-to-end coverage and local Supabase testing to gate critical CRM workflows before release.
- Containerized local environments with Docker, contributed to Kubernetes workflows and partnered with founders on scope, sequencing and delivery tradeoffs.

SWE Intern   **July 2025 - August 2025**
eden.pm   Sydney, Australia
- Delivered full-stack product features with Next.js and Express.js on AWS Lambda, API Gateway and DynamoDB.
- Improved service stability by debugging serverless functions and sustaining reliable Vercel deployments.
- Partnered with founders to prioritize MVP scope and convert user feedback into shippable backlog milestones.

SDET - Client: Mercedes-Benz Research and Development India (MBRDI)   **July 2023 - December 2024**
IBM   Bengaluru, India
- Led quality strategy for Mercedes-Benz Germany CRM releases, including future-date proposal testing for date-sensitive leasing workflows.
- Engineered automation for 200+ regression scenarios across 15 microservices using Playwright (TypeScript), Cucumber and GitHub Actions CI.
- Reduced QA cycle time by 40 percent and enabled 3x faster release cycles; ran regression on AWS-hosted environments and JMeter performance tests.

Application Developer - Client: Development Bank of Singapore (DBS)   **May 2022 - June 2023**
IBM   Hyderabad, India
- Developed Spring Boot REST endpoints for mission-critical DBS banking workflows and validated contracts end-to-end with Postman.
- Improved transaction response time by 20 percent (500ms to 400ms) through query optimization and connection pooling.
- Applied security-first API practices and managed zero-downtime deployment workflows across distributed server environments.

Selected AI Projects

MCP Prompt Library GitHub
- Assembled an AI development toolkit with 115+ curated prompts, 15 MCP tools, npm distribution and workflow chains.
- Introduced deterministic 2ms intent ranking and maintained 147 automated tests with GitHub Actions CI.

Cortex Multi-Agent Code Review System Live
- Designed a 6-agent review pipeline with evidence-based, severity-ranked findings.
- Orchestrated model specialists in the 120B to 671B range and reduced hallucinated findings by 80 percent by enforcing evidence-to-code constraints with retry and failover controls.

SR Terminal Browser AI Dev Environment Live
- Created in-browser AI coding workflows with Phi-3-mini-4k-instruct (3.8B, q4f16) on WebGPU via WebLLM.
- Added IndexedDB caching for the 1.8GB model, achieved 2-3 second on-device inference and integrated isolated Node.js 18 runtime via WebContainers.

SR Mesh Local-First Knowledge Graph Live
- Developed client-side semantic retrieval with a 23MB all-MiniLM-L6-v2 model generating 384-dimensional embeddings.
- Implemented 9-category intelligent classification and validated behavior with 55 automated tests.

Additional Applied AI and Platform Projects

Content Wolfy AI Content Intelligence System Live
- Built a 5-agent AI pipeline in 3 hours, processing 48 posts with a 100-point scoring rubric and policy-based quality controls.

ConnectOnion Mail Agent GitHub
- Extended the ConnectOnion framework with voice-email drafting, contact-intelligence research and weekly analytics automation plugins.

Mirage Vision AI Sketch-to-Code Engine Live
- Built a Vision AI workflow that transforms sketch layouts into React and Tailwind components with iterative refinement loops.

Additional project breadth: 29 documented portfolio projects, including 9 AI and ML builds and 23 live deployments. Focus areas include RAG, agent orchestration and local-first inference.

Project portfolio: portfolio/projects

Leadership and Volunteering

- **UTS Council, Postgraduate Student Representative** (May 2025 - February 2026): Elected representative contributing to budget, risk, research strategy and campus development discussions.
- **UTS AI Society, Assistant Secretary and Outreach Coordinator** (March 2025 - Present): Driving outreach, partner coordination and AI event execution with industry and academic stakeholders.
- **Academic initiative:** Completed **UTS** BUILD Program and contributed to cross-cultural collaboration and professional practice activities.
- **Community impact: UTS** SOUL Award (133.5 hours), NSW Volunteer of the Year Adult Nominee (2025), **UTS** Peer Network recognition (36.5 hours, 2000+ incoming students supported), Code Club Python mentoring (6-week program), Big Lift Clean Up Australia Day volunteering, Bluebird Pantry support (100+ students served), Batyr mental health ambassador recognition (2025, 500+ students reached).
- **Governance and wellbeing signal:** Foundations of Directorship (AICD, 2025) and Standard Mental Health First Aider (MHFA, 2025), applied in stakeholder communication and community mentoring contexts.

Community profile: sreekarreddy.com/volunteering

Certifications

Foundations of Directorship (AICD, 2025) | Standard Mental Health First Aider (MHFA, 2025) | RAG for Enhanced AI Outputs (IBM, 2026) | Generative AI Leader (Google Cloud Training, 2025) | Introduction to Model Context Protocol (Anthropic, 2025) | AI Fluency Framework and Foundations (Anthropic, 2025) | Neo4j Certified Professional (Neo4j, 2025) | Google Data Analytics (Google, 2024) | AWS Certified Cloud Practitioner (AWS, 2023) | Microsoft Certified Azure AI Fundamentals (Microsoft, 2023)

Honors: IBM Think40 Champion Learner Gold (Top 6 percent Globally) in December 2024 (350+ hours, 14 credentials) and December 2023 (200+ hours, 12 credentials)

Full certifications: portfolio/certifications

References: Available on request