

Myles Agarwal

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SUMMARY

Early career AI engineer completing a Bachelor of Science in Computer Science in 2026, with practical experience building agentic applications, retrieval systems, and cloud data workflows through supervised research, internship work, and a capstone project. Built multi step agents with **large language models**, approved REST API tools, scoped permissions, **human approval checkpoints**, evaluation criteria, logging, and role based access concepts. Used **AI assisted coding** in an IDE, then read, explained, tested, and troubleshoot generated Python code before Git review and deployment. Applied SQL, Databricks, Azure, **GitHub Actions**, automated testing, workflow orchestration, cost tracking, and basic drift checks. Communicated architecture, limitations, runbooks, and results to technical and nontechnical audiences while coordinating concurrent work within established engineering and governance patterns.

EDUCATION

Bachelor's Degree in Computer Science

2026

The University of Texas at Austin GPA: 0

Austin, TX

Coursework: Artificial intelligence, database systems, software engineering, cloud computing

TECHNICAL SKILLS

- **AI Development:** Agentic AI, large language models, AI assisted coding
- **Retrieval Systems:** RAG, indexing, document question answering
- **Programming:** Python, SQL, Databricks
- **Cloud Platforms:** Azure, AWS, Palantir Foundry
- **API Integration:** REST APIs, secure authentication, connectors
- **Source Control:** Git, GitHub, Git branches
- **CI CD:** GitHub Actions, automated testing, deployment
- **Data Engineering:** Data workflows, SQL pipelines, cloud data stores
- **Workflow Tools:** Task orchestration, scheduling, ingestion
- **Governance:** Catalogs, lineage, role based access control
- **Observability:** Application logging, cost tracking, drift checks
- **Documentation:** Runbooks, handoff documentation, impact metrics

SKILLS

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|-------------------------|----------------------|----------------|---------------------|
| • Agentic AI | • AI assisted coding | • Git | • GitHub Actions |
| • Large language models | • Python | • Databricks | • CI/CD |
| • RAG | • SQL | • Azure | • Automated testing |
| • Unstructured text | • REST APIs | • AWS concepts | |

EXPERIENCE

AI Engineering Intern, Applied AI Research Internship

May 2026 - August 2026

Applied AI Research Internship

Austin, TX

Supported supervised development of agentic AI prototypes for business workflows, covering API integrations, cloud data, evaluation, deployment, documentation, and sponsor communication.

- Built a supervised agent workflow for service requests, coordinating REST API actions through approved sandbox tools.
- Added scoped permissions and approval checkpoints for simulated financial actions, documenting **evaluation criteria** before demonstrations.
- Used AI assisted IDE coding, then tested and troubleshoot **Python** changes before **Git** review submission.
- Connected **SQL** and **Databricks** data, applying role based access concepts with guidance from data engineering.
- Added automated tests and GitHub Actions CI, triaging failures after staged prototype releases.
- Prepared **runbooks**, logging dashboards, cost notes, and impact measures for sponsors and technical mentors.

Undergraduate AI Research Assistant, University Research Lab

September 2025 - May 2026

University Research Lab

Austin, TX

- Conducted supervised research on retrieval augmented generation for unstructured documents, combining evaluation, authenticated integrations, collaborative development, and clear research communication.
- Developed **RAG** over approximately 3,200 policy documents, combining **indexing**, retrieval, and LLM question answering.
 - Created relevance and citation evaluations, reviewing failure patterns and adjusting retrieval settings against defined criteria.
 - Integrated document services through authenticated **REST APIs**, storing experiment metadata in SQL for repeatable analysis.
 - Used Git branches, peer review, and issue tracking across a four student research group.
 - Added logging, token **cost tracking**, and basic **drift checks** across repeated retrieval evaluation runs.
 - Presented architecture and limitations to faculty and students, translating governance concepts into accessible explanations.

Agentic Workflow Developer, Capstone Project
Capstone Project

January 2026 - May 2026
Austin, TX

- Owned supervised capstone delivery for a controlled agentic knowledge workflow, including cloud data preparation, orchestration, testing, documentation, and live demonstration.
- Designed an **LLM** workflow that decomposed knowledge requests into retrieval, validation, and response steps.
 - Implemented mock enterprise API **connectors** and cloud storage with **secure authentication** and explicit action permissions.
 - Created scheduled ingestion and indexing tasks, recording outcomes for workflow troubleshooting and refresh monitoring.
 - Used **Azure** and Databricks notebooks for preparation, SQL exploration, and evaluation dataset maintenance.
 - Configured **GitHub Actions** tests and CI checks, resolving integration defects before final demonstration builds.
 - Delivered architecture notes, handoff documentation, **runbooks**, and demonstrations explaining controls and known limitations.

PROJECTS

Document Question Answering System 📅 2026

Built a retrieval application for unstructured policy and support documents, combining indexing, grounded answers, citation evaluation, authenticated services, SQL experiment records, logging, token cost tracking, and basic drift checks.

Controlled Business Workflow Agent 📅 2026

Created a supervised agent prototype that planned multi step service actions, used approved REST tools, applied human checkpoints, and connected cloud data with automated testing and deployment checks.

LEADERSHIP & AWARDS

- Dean's List, 2025, recognized consistent academic performance in computer science coursework.
- Undergraduate Research Poster Recognition, 2026, honored clear communication of applied AI findings.
- Capstone Showcase Finalist, 2026, selected for practical agentic workflow design and presentation.

CERTIFICATIONS

- Microsoft Learn Azure AI Fundamentals 📅 2026
- Databricks Academy Generative AI Fundamentals 📅 2026
- GitHub Skills Introduction to GitHub Actions 📅 2025

PROFESSIONAL AFFILIATIONS

- Peer Mentor, Undergraduate Computing Lab, 2025 to 2026, supported students with practical computing questions.
- Member, Student AI Research Reading Group, 2025 to 2026, discussed current methods with fellow researchers.
- Volunteer Technical Presenter, Campus Computing Outreach, 2026, explained technical concepts for campus audiences.

LANGUAGES

- English (Native)
- Hindi (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST