

VARAD PARTE

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Professional Summary

Applied AI Engineer focused on LLM engineering, RAG systems, document intelligence, and agentic automation. Built Python and Azure-based systems that turn unstructured documents and enterprise data into searchable knowledge, structured outputs, and reliable production workflows, with emphasis on grounding, evaluation, and human-in-the-loop review.

Technical Skills

Languages: Python, JavaScript/TypeScript, SQL, Java, C++, .NET, HTML/CSS

Applied AI & GenAI: LLM APIs, RAG pipelines, LangChain, prompt engineering, context design, structured outputs, agentic workflows, CrewAI, Langflow, AI evaluation, hallucination mitigation, human-in-the-loop review

Document Intelligence & Data: OCR, Azure Document Intelligence, document ingestion, metadata extraction, entity resolution, retrieval workflows, sentiment/risk classification, Pandas, NumPy

Backend & APIs: FastAPI, Django Python Framework, Node.js, REST APIs, GraphQL, Celery, Redis, JSON

Frontend: React.js, Next.js, Svelte, TypeScript

Databases: PostgreSQL, MySQL, SQL query design, Supabase, Azure CosmosDB

Cloud, DevOps & Tools: Azure DevOps, Azure Logic Apps, Git, CI/CD, Docker, Kubernetes, Microsoft Power Apps

Experience

AI/ML Developer Intern

May 2026 – Present

Phillips Edison & Company

Cincinnati, Ohio

- Built an internal AI document-intelligence platform using Azure Document Intelligence, OCR, Python, and structured metadata extraction to convert scanned lease PDFs into searchable enterprise knowledge.
- Designed and developed custom AI skills that compress recurring IT and business workflows into repeatable, agent-executable tasks, cutting manual effort on routine internal processes.
- Built an internal AI Wiki that makes enterprise data AI-ready, structuring business context so AI agents executing business tasks retrieve grounded information rather than inferring it.
- Partner with IT stakeholders to deliver strategic AI improvements across Azure Cosmos DB, Azure Logic Apps, Power BI.

Enterprise Applications Intern

January 2023 – September 2023

Phillips Edison & Company

Cincinnati, Ohio

- Designed document-ingestion and extraction workflows to normalize OCR output, segment legal clauses, capture metadata, and extract lease terms, dates, and escalation schedules, reducing manual review time by over 53%.
- Developed and supported internal business applications using SQL, Python, REST APIs, and database-backed workflows across multiple enterprise teams, improving reliability through expanded QA and audit coverage and contributing to a 27% reduction in application downtime.
- Partnered with leasing stakeholders, QA teams, and senior engineers to translate business workflows into automation and validation logic, and built deployment workflows with Python, Power Automate, Azure DevOps, and CI/CD across Dev → QA → Production.

Projects

Enterprise GenAI Risk & Sentiment Monitoring Platform

November 2025 – Present

- Built a GenAI platform that aggregates web and news sources, performs entity matching, and runs diagnostic models to classify sentiment and reputational-risk signals, generating stakeholder-ready reports.
- Designed a modular backend using FastAPI, Celery, Redis, and PostgreSQL with provider abstraction, deduplication, confidence-based entity resolution, and structured, auditable metadata.
- Implemented LLM-assisted classification, retrieval, alerting/observability signals, and schema-validated structured-output pipelines to support summarization, human review, and decision-making.

Multi-Agent AI Assistant for Project Management

August 2024 – December 2024

- Architected a multi-agent, tool-using AI assistant with CrewAI, Langflow, and LLM-based orchestration to coordinate Jira operations, ticket routing, and workload distribution.
- Built a GPT-based conversational assistant with persistent memory and retrieval to provide project status, dependency insights, and risk-aware natural-language queries.
- Designed reusable prompts, context flows, and retrieval patterns that reduced manual project-management effort by 40%.

Full-Stack Hackathon Operations Platform

August 2024 – November 2024

- Built a full-stack event operations platform (Next.js, Node.js, KeystoneJS, GraphQL) supporting registration, judging, and live-event workflows for hundreds of participants.

Education

University of Cincinnati

August 2021 – May 2026

Master of Science in Data Science (Accelerated Program)

GPA: 3.9/4.0

Bachelor of Science in Computer Science