

# Imaad Zaffar Khan

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## Experience

### Taazaa Inc.

Jan 2025 – Present

Software Engineer → AI Engineer

Ohio, United States

- Led AI development for a municipal tax platform (CiVi), designing and implementing the document-intelligence system used for tax filing and municipal review.
- Direct the technical design and ongoing development of an MCP gateway for a multi-tenant marketplace platform (Arcadier), defining how AI assistants interact with its existing APIs.
- As part of Taazaa's core AI research team, review current research and prototype ideas in agentic systems, retrieval architectures, transformer models, model evaluation, and responsible AI for use in client products.
- Provide technical oversight for junior engineers on AI projects, defining scope, reviewing designs, and ensuring code quality and delivery.

### University of Illinois Urbana-Champaign

Aug 2024 – Jan 2025

Research Assistant

Illinois, United States

- Developed continual-learning methods for the DARPA-backed ECOLE project, enabling computer-vision models to learn new object concepts without losing previously acquired knowledge.
- Designed experiments around catastrophic forgetting, concept prioritization, and region-based learning using DINOv2, Alpha-CLIP, and Semantic SAM.

### Larsen & Toubro Infotech

May 2022 – Jun 2023

Data Engineer

Maharashtra, India

- Built and maintained Talend-based ingestion and transformation pipelines for large enterprise datasets used in reporting and downstream analytics.
- Developed data-validation and reconciliation workflows that caught quality issues earlier and reduced repetitive manual checks for the operations team.

## Projects

### CiVi – Municipal Tax Intelligence | Python, Kafka, AWS, Azure AI, Gemini

Apr 2025 – Mar 2026

- CiVi is a municipal income-tax platform that brings paper filings, online submissions, and auditor review into one system.
- CiVi is live in Dublin, Ohio, where it supports municipal tax filing and review; three additional Ohio cities are scheduled to begin using the platform in 2027.
- Created a configurable document-intelligence workflow for paper scans and online submissions that identifies tax forms, extracts and validates filing data, and adapts to each city's document formats and tax rules.

### Arcadier MCP Gateway | C#, ASP.NET Core, MCP, Redis

Mar 2026 – Present

- Arcadier is a multi-tenant B2B2C marketplace platform; its MCP gateway lets users perform most marketplace operations in natural language through the platform's existing REST APIs.
- Design the gateway as a vendor-neutral translation layer over Arcadier's existing APIs, supporting multiple AI assistants and marketplace instances without changes to the underlying platform.

### Multi-Repository Code Intelligence | Python, LangGraph, Neo4j/Memgraph, Qdrant

Jan 2026 – Present

- Co-develop a conversational code-intelligence platform with separate indexer, agent, and MCP components that answers questions across repositories and traces relationships between services, files, and dependencies.
- Design code-aware indexing and specialist analysis workflows for architecture, security, and data access, combining Neo4j/Memgraph dependency graphs with Qdrant vector retrieval.

## Skills

**AI/ML:** Deep Learning, Retrieval-Augmented Generation (RAG), Agentic Systems, Self-Supervised Learning, Contrastive Learning, Continual Learning, Computer Vision, Multimodal Learning, Graph Neural Networks, Model Evaluation

**Frameworks & Data:** PyTorch, TensorFlow, Hugging Face, LangGraph, LangChain, MCP, Vector Embeddings, Semantic Search, Qdrant, Neo4j, Memgraph, PostgreSQL, Redis, Kafka

**Engineering & Cloud:** Python, C#, C/C++, SQL, FastAPI, ASP.NET Core, System Architecture, Distributed Systems, Data Pipelines, AI Observability, CI/CD, AWS, Azure, Docker, Kubernetes

## Education

University of Illinois Urbana-Champaign | Master of Computer Science, GPA: 3.95/4.00

Dec 2024

SRM University | B.Tech. in Computer Science Engineering, GPA: 3.9/4.0

May 2022