

Prayas Gautam

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EDUCATION

Kansas State University

MSc Computer Science (GPA: 4.00/4.00)

Manhattan, KS

Jan 2025 – Dec 2026

Goa College of Engineering

Bachelor of Engineering in Computer Engineering (GPA: 3.62/4.00)

Goa, India

Jul 2019 – Jul 2023

EXPERIENCE

Technology Intern – Software Development

INTRUST Bank

Wichita, KS

May 2026 – Aug 2026

- Developed internal banking applications in **C#/Blazor** on **.NET** using a **vertical slice architecture**, delivering production features in two-week **Agile** sprints with peer code review.
- Engineered an **AI chat assistant** on **GPT-4o mini** in **Azure AI Foundry** with **dependency-injected** clients, **deployed and adopted by the team** for conversational queries over unfamiliar internal applications; laid groundwork for **Azure AI Search-backed RAG**.
- Automated an **AI-assisted documentation pipeline** with **C#** backend logic and services on **GitHub Actions** CI/CD, generating and syncing technical docs across **10+ internal applications** on merge with no manual authoring, cutting turnaround from **a week to under 2 hours**.
- Authored two internal reference guides on **data governance** for a federated data platform, covering **CDC** ingestion, medallion layers on **ADLS/Apache Iceberg**, and **cataloging, lineage, PII** classification, and data quality SLAs.

Graduate Research Assistant

Kansas State University – Dept. of Computer Science

Manhattan, KS

Jan 2025 – Present

- Leading 64-bit development of **WinDAM C** and **EFH-2**, legacy USDA/NRCS engineering tools, porting **10K+ lines** of legacy **VB6** to **C#/.NET/WinUI 3** on an **MVVM** architecture, owning design through stakeholder review.
- Validated numerical parity of the rewritten engine against the legacy 32-bit application using **numdiff** across **10+ regression test cases**, matching results to **95%+** with improved floating-point precision in several scenarios.
- Designed the application data layer that **parses engineering input files**, serializes structured state to **JSON**, and reloads it into the simulation engine, replacing brittle legacy **VB6** I/O.

Graduate Assistant

Kansas State University – Dept. of Psychological Sciences

Manhattan, KS

Jul 2025 – Aug 2025

- Applied **Python, CVAT**, and AI-assisted workflows to automate annotation validation and data cleaning for behavioral datasets used in model training, replacing a fully manual review process.

PROJECTS

QuickCommerce | PostgreSQL, Supabase, React, Vite

- Designed a normalized **PostgreSQL** schema with a **Supabase** backend and React frontend; modeled relational entities and validated full **CRUD** workflows end-to-end.

Scientific Claim Verification | Python, HuggingFace, DeBERTa, SciBERT, BM25

- Built a retrieval-augmented NLI pipeline (BM25 + fine-tuned **SciBERT/DeBERTa**) on SciFact, significantly outperforming the TF-IDF baseline ($p=0.005$) with post-hoc temperature scaling for calibration.

EV Charger Finder | React, TypeScript, Node.js/Express, ArcGIS API

- Full-stack geospatial web app with **React/TypeScript**, a **RESTful Express** API, and the **ArcGIS API** for location-based search; integrated third-party APIs to power real-time queries.

LEADERSHIP & SERVICE

Graduate Student Leader, AI Task Force

Kansas State University

- Steering-committee member shaping university-wide guidance on responsible Generative AI use for graduate research.

TECHNICAL SKILLS

Languages: Python, C#, JavaScript, TypeScript, SQL

Frameworks & Tools: .NET, Blazor, WinUI 3, React, Node.js, Entity Framework Core, RESTful services, Git, GitHub Actions, Docker, Visual Studio, GitHub Copilot, Claude Code

Cloud & AI: Azure AI Foundry, Azure AI Search, HuggingFace, LLM integration, RAG, MCP

Databases: PostgreSQL, MySQL, Supabase

Concepts: Data structures & algorithms, OOP, MVVM & vertical slice architecture, Agile/iterative development, concurrency/parallel processing, CI/CD & DevOps, version control & technical documentation, debugging & testing, data parsing & serialization (JSON)