

Daniyal Kashif

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EDUCATION

University of Arizona

Bachelor of Science, Computer Science

- Minor in Artificial Intelligence
- Minor in Game Development
- Dean's List December 2023 - Present
- Academic Distinction

Tucson, Arizona

Expected May 2027

BASIS Oro Valley

High School Diploma

Tucson, Arizona

Graduated May 2023

Work Experience

University of Arizona

Research Assistant

Tucson, Arizona

November 2023-September 2024

- Annotated and evaluated 500+ paragraphs using Human Signal and Label Studio, identifying key discrepancies between human and AI language understanding to support experimental NLP research.
- Collaborated with NLP researchers to identify discrepancies in multi-subject sentence interpretation between human annotators and AI models.
- Developed and implemented experimental strategies to address identified challenges, emphasizing a hands-on approach to problem-solving.
- Investigated key limitations of large language models in parsing multi-verb or multi-subject inputs to support future model improvements.

FBM Solutions

AI/ML Intern

Remote, USA

June 2025-Aug 2025

- Developed and deployed an intelligent chatbot system using FastAPI, integrating document retrieval (RAG) with external API data sources.
- Fine-tuned DistilBERT transformer model for intent classification, achieving multi-class prediction across policy and data retrieval intents.
- Integrated external REST APIs with JWT authentication for real-time employee data retrieval and leave balance queries.
- Implemented hybrid routing system with keyword-based pre-filtering to optimize query processing.

Technical Projects

Watchlist TV Recommender | [website](#) | [source code](#) |

- Built a full-stack TV recommendation app from scratch using Next.js, React, and Python, focusing on personalized user experiences and using Tailwind CSS to style the frontend.
- Built dynamic, reusable React components and implemented routing, improving user experience and reducing redundant code across 5+ pages.
- Integrated Prisma ORM with TMDB API to fetch and manage show data across personalized recommendation pages.
- Worked in a collaborative environment with a team to review different parts of the project

Todo List Web App | [website](#) | [source code](#) |

- Created a responsive task management web app using JavaScript, Vite, and HTML/CSS featuring a responsive layout and animated transitions for a smooth user experience.
- Implemented full user authentication and session handling with Clerk to enable secure, persistent user data storage.
- Configured and deployed the application on Vercel, ensuring a seamless CI/CD workflow for production-ready builds.
- Designed custom login, dashboard, and task UI components for a clean and accessible user experience.

Fridge Inventory Web App | [website](#) | [source code](#) |

- Built a full-stack web app using React, Django REST Framework, PostgreSQL, Axios, and Tailwind CSS to manage food inventory and expiration dates.
- Designed and developed intuitive UI components for adding, updating, and deleting fridge items, improving user task flow.
- Configured Celery with Redis for background task processing and automated email reminders for expiring items.
- Implemented user authentication and secure token handling with JWT to protect user data and sessions.

Publications

- Kashif, D., [et al.]. "BEMEAE: Moving Beyond Exact Span Match for Event Argument Extraction." In **Proceedings of the NAACL 2025 Main Conference**. ACL Anthology, 2025. <https://aclanthology.org/2025.naacl-long.295/>

Skills

- **Programming Languages:** Python, Java, HTML/CSS, JavaScript, Typescript.
- **Frameworks & Tools:** Next.js, React, Prisma, Vite, Clerk.
- **UX/UI Tools:** Figma, Canva.