

## EXPERIENCE

### • Project Data Engineer Intern

#### *Endeavor Inspired Infrastructure (New York)*

May 2024 – Aug 2024

- o Led the development of scalable data pipelines by integrating data from CRM, ERP, and project tracking tools, improving project delivery efficiency by 30%.
- o Applied advanced data modeling and implemented validation protocols to ensure high data integrity and scalable system performance across enterprise workflows.
- o Utilized Azure Cosmos DB and Gremlin graph queries to enhance ETL pipelines, reducing data retrieval time by 40% and improving end-user access to insights.
- o Collaborated with cross-functional teams to automate key reporting flows, accelerating decision-making and reducing manual data handling.

### • Computer Specialist

#### *UIC Technology Solutions (Chicago)*

May 2022-May 2025

- o Provided technical support to over 150 faculty and staff, resolving issues related to hardware, software, networking, and printers across 5+ academic departments.
- o Managed 100+ user accounts and enforced access control policies, helping maintain secure and compliant university IT systems.
- o Supported system upgrades and maintenance for 50+ devices, improving system reliability and reducing downtime by approximately 20%.
- o Contributed to faster issue resolution by refining help desk documentation and troubleshooting workflows, reducing repeat support tickets.

## EDUCATION

### **BS in Computer Science with Minor in Management Information Systems**

Aug 2021 – May 2025

*University of Illinois at Chicago | Chicago, IL*

*Coursework: Data Structures, Software Design, Computer Design, Machine Learning, Software Engineering 1 & 2, Database System*

## PROJECTS

### • *AgriMitra (Python):*

Jan 2025 – May 2025

- o Developed an AI-powered waste management platform using Flask, React, OpenAI, and weather APIs to provide real-time disposal guidance and alerts for rural communities.
- o Designed a chatbot interface inspired by agentic AI concepts, aiming for proactive assistance by integrating weather-based triggers and contextual recommendations.
- o Built a scalable MongoDB backend for handling dynamic waste data, improving user engagement and interaction accuracy across varied agricultural conditions.

### • *Finance Guru (MERN Stack):*

Jan 2024 – May 2024

- o Built and deployed a financial planning assistant using OpenAI, Node.js, and React, offering budgeting tools, investment advice, and retirement projections.
- o Implemented intelligent prompts and behavior modeling to simulate early agentic AI features, allowing the system to suggest financial tips based on user trends.
- o Secured user data with encrypted MongoDB storage, Google OAuth, and robust session management to ensure compliance and data privacy.

### • *Campus Map Navigation Program (C++):*

Aug 2023 – Dec 2023

- o Built a console-based campus map navigation tool using C++ and graph data structures to model buildings and footways.
- o Integrated Dijkstra's algorithm to calculate the shortest weighted paths between any two locations on campus.
- o Enhanced user experience by implementing midpoint logic to suggest convenient meeting spots between selected buildings.

### • *Steam Gaming Behavior Analysis (Python):*

Jan 2023 – Mar 2023

- o Conducted data-driven analysis using the Steam API to collect and process data, categorizing users into behavioral segments.
- o Applied machine learning techniques and regression models to find trends in playtime, game ownership, and engagement.
- o Presented insights for game developers and marketers by visualizing patterns through EDA, improving targeting and retention strategies.

## SKILLS

Python, JavaScript, Java, C++, C#, C, Golang, F#, R, HTML/CSS, React, Node.js, Express.js, GraphQL, Django, Flask, MySQL, PostgreSQL, MongoDB, DynamoDB, PowerBI, Pandas, Numpy, Scikit-learn, OpenAI, AWS (EC2, S3, Lambda, RDS, DynamoDB, CloudWatch, IAM), Azure, Docker, Git, REST APIs, Jira