

Zainab Anisa Khan

Redmond, WA | (425) 877-5914 | zainabanisakhan@hotmail.com | [linkedin.com/in/zainab-khan-b79b8628a](https://www.linkedin.com/in/zainab-khan-b79b8628a) | github.com/za1nabk

EDUCATION

University of Washington, Information School | Sep 2023 – Jun 2027

B.S. Informatics – Software Development & Human-Computer Interaction | Minor: Data Science | GPA: 3.6

Relevant Coursework: Data Structures & Algorithms, Databases & Data Modeling, Statistical Programming (R), Client-Side Development, Software Architecture for Interactive Systems, Product & Information Systems Management, Introduction to Artificial Intelligence

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, R

Software Engineering: Object-Oriented Programming, Data Structures & Algorithms, Software Testing, Automation, Debugging, API Integration

Frameworks & Systems: React Native, React, Next.js, Node.js, WebSockets, REST APIs, Firebase, Firestore

Developer Tools: Git, Docker, CI/CD

AI Tools & Data: Claude Code, ChatGPT, LLM Pipelines, RAG, LangChain, NLP, Information Retrieval, scikit-learn, ETL Pipelines

EXPERIENCE

Palana – Software Engineer Intern

Seattle, WA | Jun 2026 - Present

- Develop and test TypeScript features across three connected systems—a React Native mobile app, Next.js dispatcher platform, and Node.js server—supporting UW’s campus safety ride program.
- Extended the platform’s WebSocket architecture to route dispatcher authentication and ride-history requests through server logic and Firestore.
- Built a ride-history dashboard with date filtering, 10/50/100-row pagination, CSV export, and timestamp normalization, replacing manual Firestore inspection with a searchable dispatcher workflow.
- Developed a TypeScript test-data generator producing up to 5,000 realistic ride records per run, enabling repeatable workflow and edge-case testing across riders, drivers, locations, statuses, and timestamps.
- Added normalization logic across development and production Firestore schemas to prevent field mismatches from breaking existing student and dispatcher workflows.
- Partner with UWPD stakeholders through live product demonstrations, translating dispatcher feedback into prioritized software improvements.

GoDaddy – AI Technology Intern, Data Analytics – Commerce Team

Kirkland, WA | Jun 2025 – Sep 2025

- Built a Python competitive-intelligence pipeline processing 98,000+ customer and competitor records collected from Reddit, Trustpilot, and Capterra.
- Designed a hybrid classification system combining deterministic matching with an LLM fallback, reducing processing time from approximately two hours to ten minutes.
- Implemented duplicate detection, schema validation, missing-value checks, brand verification, and batch testing to improve pipeline reliability and data quality.
- Developed internal AI assistants that used natural-language queries to retrieve customer pain points and competitor trends across five product areas.

PROJECTS

Frugi – Grocery Price Comparison Application

UWB Saves the World Hackathon | Apr 2026

- Led AI-assisted development of a React/Vite application using Claude Code, iteratively prompting, reviewing, and debugging generated code to integrate Kroger, Google Maps, and Spoonacular APIs within 24 hours.
- Validated API responses and normalized data from three external services into a unified interface for comparing stores, prices, routes, and meal options.

Farmicopia – Farmers Market Marketplace

Women in Informatics Hackathon Finalist (Top 8 of 256 Participants) | Jan 2026 – Present

- Led a three-person team designing a marketplace to improve vendor visibility and reduce unsold inventory at farmers markets.
- Conducted 50+ shopper surveys and seven stakeholder interviews, identifying low visibility and inconsistent sales as the highest-priority vendor problems.
- Designed AI-assisted listing and vendor-discovery workflows and created the Firebase data model and ERD needed to translate multi-user requirements into application architecture.