

Fardouse Marghani

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EDUCATION

University of Washington	Seattle, WA
Bachelor of Science in Informatics	Jun 2024
Focus Areas: Software Development and Data Science	GPA: 3.8/4.0
Relevant Coursework: Data Structures & Algorithms, Product & Information Systems Management, Data Science Methods	
Awards: Annual Dean's List 2020-2024, UW iSchool Capstone Award	

PROFESSIONAL EXPERIENCE

Keywords Studios	Seattle, WA
AI Research Associate	Sep 2025 – Present
<ul style="list-style-type: none">Improved AI interaction accuracy by 15% by engineering and testing prompts across diverse use casesOptimized AI performance by designing data collection workflows and identifying logic gaps causing model hallucinationsAnalyzed model datasets for performance trends and debugged errors to optimize workflows and meet project deadlines	
ABC Legal	Seattle, WA
Post Judgment Specialist	Jun 2024 – Sep 2025
<ul style="list-style-type: none">Analyzed 500+ legal filings monthly, reducing backlog by 30% through data validation techniquesResolved 95% of complex document filing issues within 24 hours using data-driven solutions, increasing client retentionUtilized data management systems to scan and process legal filings ensuring 100% data integrity	

UW Information School - Public Interest Technology	Seattle, WA
Undergraduate Research Assistant	Feb 2024 – May 2024
<ul style="list-style-type: none">Annotated 800+ lines of city council transcript data to extract key insights, contributing to search model accuracy of 97%Collaborated in meetings to evaluate and fine-tune machine learning and language processing modelsAnalyzed key metrics (accuracy, precision recall, F1) to refine model parameters and improve results	

TECHNICAL PROJECTS

GenAI Financial Chatbot (BCG Forage Simulation)	Software Engineer – Seattle, WA	Aug 2025 – Present
<ul style="list-style-type: none">Build an AI chatbot pipeline with Python and Pandas, enabling accurate financial Q&A for end usersDesign structured datasets that power real-time financial queries, improving insight accuracy by 25% during testingImplement a command-line interface, delivering scalable, data-driven recommendations, reducing query time by 20%		

HealthBot – AI Symptom Checker	Software Engineer – Seattle, WA	Jun 2024 – Present
<ul style="list-style-type: none">Design and implement a rule-based chatbot using ChatterBot to simulate 20+ common symptom assessmentsTrain model on 1,000+ symptom-diagnosis data with Pandas and ListTrainer, improving predictions by 15% over baselineBuild an interactive command-line interface that supports user conversations and delivers 95% response accuracy		

Blooming – Gamified Health Education Platform	Software Engineer – Seattle, WA	Dec 2023 – Jun 2024
<ul style="list-style-type: none">Collaborated with a cross-functional team to build an award-winning platform educating marginalized communities on women's healthConducted user interviews and translated insights into user stories that shaped MVP features and product roadmapDeveloped responsive user profile and dashboard components using JavaScript, React, and Bootstrap		

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, SQL, R

Frameworks & Libraries React, Pandas, NumPy, Matplotlib, Shiny

Tools: Git, Jupyter Notebook, RStudio, Firebase, Visual Studio Code, Figma, Tableau