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

- Improve AI interaction accuracy by 15% by engineering and testing prompts across diverse use cases
- Optimize AI performance by designing data collection workflows and identifying logic gaps causing model hallucinations
- Analyze 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

- Analyzed 500+ legal filings monthly, reducing backlog by 30% through data validation techniques
- Resolved 95% of complex document filing issues within 24 hours using data-driven solutions, increasing client retention
- Utilized 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

- 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 models
- Analyzed key metrics (accuracy, precision recall, F1) to refine model parameters and improve results

TECHNICAL PROJECTS

GenAI Financial Chatbot (BCG Forage Simulation)	Aug 2025 – Present

- Build an AI chatbot pipeline with Python and Pandas, enabling accurate financial Q&A for end users
- Design structured datasets that power real-time financial queries, improving insight accuracy by 25% during testing
- Implement a command-line interface, delivering scalable, data-driven recommendations, reducing query time by 20%

HealthBot – AI Symptom Checker	Jun 2024 – Present

- Design and implement a rule-based chatbot using ChatterBot to simulate 20+ common symptom assessments
- Train model on 1,000+ symptom–diagnosis data with Pandas and ListTrainer, improving predictions by 15% over baseline
- Build an interactive command-line interface that supports user conversations and delivers 95% response accuracy

Blooming – Gamified Health Education Platform	Dec 2023 – Jun 2024

- Collaborated with a cross-functional team to build an award-winning platform educating marginalized communities on women's health
- Conducted user interviews and translated insights into user stories that shaped MVP features and product roadmap
- Developed 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