

# 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 & Activities:** Annual Dean's List 2020-2024, UW iSchool Capstone Award, WINFO, Rewriting The Code (RTC)

## TECHNICAL PROJECTS

**GenAI Financial Chatbot (BCG Forage Simulation)**, Software Engineer – Seattle, WA 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**, Software Engineer – Seattle, WA 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**, Software Engineer – Seattle, WA 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

**HRIS Re-Design**, Project Manager – Seattle, WA Sep 2023 – Jan 2024

- Led the redesign of an HR Information System to address stakeholder needs and reduce pay disparities
- Conducted market research and stakeholder interviews to implement an automated information system for managing employee data, performance, and compensation, reducing manual HR workload by 20%
- Integrated SAP Concur automation to streamline processes and support equitable compensation based on stakeholder needs
- Achieved 99.999% system availability using Trickle Data Migration, ensuring uninterrupted access to employee data

## PROFESSIONAL EXPERIENCE

**ABC Legal** Seattle, WA  
Post Judgment Specialist Jun 2024 – Present

- Analyze 500+ legal filings monthly with 99% accuracy, ensuring adherence to legal standards using data validation techniques
- Resolve 95% of complex document filing issues within 24 hours using by implementing data-driven solutions
- Utilize 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 SKILLS

**Languages:** Java, Python, JavaScript, HTML/CSS, SQL, R  
**Frameworks & Libraries** React, Pandas, NumPy, Matplotlib, Shiny  
**Tools:** Git, Jupyter Notebook, RStudio, Firebase, VS Code, Figma, Tableau