

Fardouse Marghani

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EDUCATION

University of Washington

Seattle, WA

Bachelor of Science in Informatics — Focus: Software Development & Data Science

Jun 2024

Relevant Coursework: Data Structures & Algorithms, Product & Information Systems, Data Science Methods

EXPERIENCE

Boeing — via Quest Global

July 2026 – Present

Forward Deployed Engineer

Seattle, WA

- Build supply chain data pipelines in Palantir Foundry, transforming 3,000+ shipment, and supplier records
- Design 15+ ontology object types, relationships, interfaces, and actions to model end-to-end operational workflows
- Develop interactive TypeScript/D3.js widgets and dashboards, visualizing 5+ supply chain KPIs including delivery risk, shipment status, and supplier performance

Keywords Studios, Amazon AGI

Sep 2025 – Aug 2026

AI Research Associate

Seattle, WA

- Improved AI interaction accuracy by 15% through prompt engineering and testing across diverse use cases
- Optimized AI performance by identifying logic gaps causing model hallucinations
- Built evaluation pipelines to assess AI-generated outputs and detect error patterns to improve model reliability
- Led project sync meetings, aligning team on task requirements, quality standards, and project deadlines

ABC Legal Services

Jun 2024 – Sep 2025

Post Judgment Specialist

Seattle, WA

- Analyzed 500+ legal filings monthly, reducing backlog by 30% through data validation techniques
- Resolved 95% of complex document filing issues within 24 hours, improving client retention
- Utilized data management systems to scan and process legal filings ensuring 100% data integrity

UW Information School - Public Interest Technology

Feb 2024 – May 2024

Undergraduate Research Assistant

Seattle, WA

- Annotated 800+ lines of city council transcript data, 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

PROJECTS

HealthBot – AI Symptom Checker

- 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%
- Build an interactive command-line interface that supports user conversations and delivers 95% response accuracy

Blooming – Gamified Health Education Platform

- Led frontend development for capstone award-winning health education platform, delivering gamified learning modules to underserved women using React and Bootstrap
- Conducted user interviews with 15+ participants and translated insights into user stories that defined the MVP roadmap and core feature set
- Built responsive user profile and dashboard components in JavaScript and React, improving accessibility and engagement for the target community

TECHNICAL SKILLS

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

Frameworks: React, Bootstrap, JUnit, Maven, Spring

Developer Tools: Git, Google Cloud Platform, VS Code, Firebase, IntelliJ, Jupyter Notebook

Libraries: pandas, NumPy, Matplotlib