

Fardouse Marghani

Seattle, WA | 206.822.1731 | fardousem@gmail.com | [linkedin.com/in/fardousemarghani](https://www.linkedin.com/in/fardousemarghani) | fardouse.github.io

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

TECHNICAL PROJECTS

HealthBot – AI Symptom Checker, Software Engineer – Seattle, WA

Jun 2024 – Present

- Design and implement a rule-based chatbot using ChatterBot to simulate symptom assessments and responses
- Train model on symptom-diagnosis data using Pandas for data processing and ListTrainer for supervised learning
- Build an interactive command-line interface that supports user conversations and delivers accurate responses

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
- 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

Global Warming Prediction, Data Scientist – Seattle, WA

Jun 2023 – Aug 2023

- Analyzed historical temperature anomaly data to project future global warming trends
- Applied linear regression modeling to predict the timeline for reaching a 2°C increase in global temperatures
- Conducted data cleaning, transformation, and analysis using Pandas and NumPy to prepare datasets for visualization
- Visualized findings using Matplotlib and Seaborn to illustrate findings effectively

PROFESSIONAL EXPERIENCE

ABC Legal

Seattle, WA

Post Judgment Specialist

Jun 2024 – Present

- Analyze 500+ legal filings monthly with 99% accuracy to ensure compliance with legal standards using data validation
- Resolve 95% of complex document filing issues within 24 hours using 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