

Fardouse Marghani

(206) 822-1731 | fardousem@gmail.com | [Linkedin](#) | [Portfolio](#) | [Github](#)

EDUCATION

Bachelor of Science in Informatics | University of Washington - Seattle

June 2024

Focus Areas: Software Engineering & Data Science

GPA: 3.8/4.0

Relevant Coursework: Data Structures & Algorithms, Client-Side Web Development, Product & Information Systems Management

Awards: Annual Dean's List 2021-2024

WORK EXPERIENCE

ABC Legal | Post Judgment Specialist – Seattle, WA

June 2024 – Present

- Analyze & manage over 500 court documents monthly, ensuring 99% accuracy and compliance with legal standards using data validation techniques
- Develop & implement data-driven solutions to resolve 95% of complex document filing issues within 24 hours, demonstrating strong problem-solving skills and attention to detail
- Utilize data management systems to efficiently scan, store, and retrieve over 200 warrants weekly, maintaining organized records & ensuring 100% data integrity

UW Information School | Undergraduate Research Assistant – Seattle, WA

Feb 2024 – April 2024

- Annotated up to 800 lines of city council public hearing transcript data per city to identify public comments and extract event-specific insights, contributing to a model accuracy of 97%
- Collaborated in meetings to evaluate and fine-tune machine learning and natural language processing models for analyzing city council public hearings across three cities (Seattle, Richmond, Oakland)
- Analyzed key metrics (accuracy, precision, recall, F1) to refine model parameters and improve results

TECHNICAL PROJECTS

[Weather Forecast Viz](#) (D3.js)

- Developed an interactive weather forecast visualization that presents average temperature variations among different cities
- Utilized D3.js to create dynamic and responsive visualizations, demonstrating proficiency in data visualization techniques
- Implemented brushing and tooltips to enhance user interaction and data exploration
- Analyzed climate patterns to provide insights into temperature variations across cities

[Global Carbon Footprint Analysis](#) (Python, Pandas, NumPy, Matplotlib, Seaborn)

- Investigated carbon emissions across various regions, emphasizing the correlation between average carbon footprint & household income
- Conducted data cleaning, transformation, and analysis using Pandas and NumPy to prepare datasets for visualization and modeling
- Visualized data using Matplotlib and Seaborn to uncover trends and patterns related to environmental impact and income levels

[Global Warming Prediction](#) (Python, Pandas, NumPy, Matplotlib, Seaborn)

- Analyzed historical temperature anomaly data to project future global warming trends
- Utilized linear regression models to estimate the timeline for reaching a 2°C increase in global temperatures
- Applied statistical methods and visualizations to communicate findings effectively

TECHNICAL SKILLS

Languages/Frameworks: Java, Python, SQL, R, Tableau, JS, HTML, CSS, React, Pandas, NumPy, Matplotlib, Dplyr, Shiny

Developer Tools: Git, Jupyter Notebook, RStudio, Firebase