# Karma Woeser

Portland, OR | karmawoeser1@gmail.com | Linkedin | Github | Portfolio

## Technical Skills

**Languages**: Python, HTML/CSS, JavaScript, C, C++, `C#`, SQL
**Frameworks**: Django, Flask, Express, React
**Developer Tools**: Git, Linux, Docker, AWS, Jupyter, MongoDB, MySQL, NodeJS
**Libraries**: Pandas, NumPy, Scikit-learn, PyTorch, Matplotlib, Tailwind CSS

## Projects

**House Prices Predictor** | *Python, Pandas, scikit-learn, Matplotlib* Github

- Developed a predictive model for house prices using **Random Forest** and **Gradient Boosting** regression techniques on a dataset from Kaggle
- Evaluated **model performance** with RMSE and visualized prediction accuracy through scatter plots, identifying and addressing overfitting issues
- Improved model accuracy by 10% through **feature engineering** and **hyperparameter tuning** GridSearchCV

**ChatGPT Clone** | *React, Express, MongoDB, Git, Clerk and Google Gemini AI* App Link

- Developing a full-stack AI chatbot application using **React** for the front-end and **Express** for the back-end, integrating **Google Gemini AI** for NLP
- Implemented **Clerk** for **user authentication** and management, enabling secure user sign-ups and logins

**Gym App** | *JavaScript, Tailwind CSS, Vite* App Link

- Developed a fitness tracking web app for users to generate workout plans and track progress
- Implemented **state management** and **client-side logic** for seamless data handling

**Tibetan Book Store** | *React, Express, MySQL, Docker, Git* Github

- Built the frontend with **React**, creating an interactive user interface
- Designed and implemented a **RESTful API** with Express to handle **CRUD** operations for book listings
- Integrated **MySQL** to store book data, ensuring efficient data handling
- Utilized **Docker** to ship and deploy the software on the server

## Experience

**Data Analyst Intern** Sept 2022 – June 2023
*University of Oregon Solar Radiation Monitoring Lab* *Eugene, OR*

- Collaborated with faculty to develop data collection scripts ensuring data integrity
- Utilized Python libraries such as **Pandas** and **NumPy** to help automate data analysis from multiple stations, achieving accurate and consistent results
- Participated in **data collection** efforts, retrieving solar radiation data from various stations across Oregon

**Generative AI Intern** June 2024 – August 2024
*Cognizant* *Remote*

- Supported the design and fine-tuning of **Generative AI models** under mentorship
- Conducted in-depth model evaluation using various metrics and fine-tuned **hyperparameters**

## Education

**University of Oregon** Eugene, OR
*BS in Computer Science, Minor in Math* *Graduation Date: June 2025*

Coursework/Clubs: **Leet Club**, Computer Architecture, **Data Structures and Algorithms II**, Operating Systems, **Machine Learning**, System and Security Administration, Linear Algebra, Discrete Math