

# Oliad Dandena

## Software Engineer

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🔗 my-portfolio-web-two-rho.vercel.app/

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🐙 github.com/Oliyad-oli

### 🧠 SKILLS

- Problem Solving & Analytical Thinking
- Software Development (Full SDLC)
- Full-Stack Web Development
- Database Design & Management (SQL / NoSQL)
- API Design & Integration (RESTful Services)
- Version Control (Git, GitHub)
- Debugging, Testing & Performance Optimization
- Cloud Deployment & Hosting
- Machine Learning
- System Design & Architecture Basics
- Agile Development & Team Collaboration
- Technical Documentation

### 🔑 INTERESTS

- Problem-solving challenges and logical games
- Learning about Artificial Intelligence and data-driven solutions
- Reading technology and entrepreneurship content

### 👤 PROFILE

Software Engineering student at Haramaya University with practical expertise in the full Software Development Life Cycle (SDLC) and Machine Learning integration. Skilled in designing scalable systems, translating complex requirements into user-centered solutions, and building intelligent applications to address real-world challenges.

### 📁 PROFESSIONAL EXPERIENCE

#### Machine Learning & Software Projects Developer

2023 – Present

- Build intelligent web systems integrating machine learning for prediction and decision support
- Experienced in data preprocessing, model development, evaluation, and deployment
- Created a disease prediction and recommendation system for practical health guidance

#### Software Development Projects (Academic & Personal)

2022 – Present

- Delivered management systems and automation tools following full SDLC
- Focus on performance, usability, scalability, and clean code practices

### 🌐 LANGUAGES

Afaan oromo

English

Amharic

### 📁 PROJECTS

#### School Payment Management System

Developed a robust system to automate school fee collections, record-keeping, and payment

[https://github.com/Oliyad-oli/school\\_payment](https://github.com/Oliyad-oli/school_payment)

#### Web-Based Disease Prediction and Medicine Recommendation System

Developed a Machine Learning-based web application that predicts diseases and recommends medicines using trained models and a web interface.

<https://github.com/Oliyad-oli/>

Medicine\_recommendation\_Machine\_learning\_pro

## COURSES

**Requirement Engineering**

**Data Structures and Algorithms**

**Object-Oriented Programming (OOP)**

**Web Development (Frontend & Backend)**

**Database Management Systems (SQL / NoSQL)**

**Operating Systems & Computer Architecture**

**Cloud Computing & Deployment**

**Machine Learning & Artificial Intelligence Fundamentals**

**Software Testing & Quality Assurance**

**Network & Cybersecurity Basics**

**DevOps Principles and Version Control (Git/GitHub)**

**UI/UX Design & Human-Computer Interaction**

## CERTIFICATES

**Programming Fundamentals (HTML, CSS, and JavaScript)**

<https://www.udacity.com/certificate/e/3b6167b4-9494-11ef-96d5-7b50b4c3693b>



### **Issue Reporting Application**

Built a digital platform for submitting and tracking technical issues, improving resolution workflows.  
<https://github.com/Oliyad-oli/community-issue-reporter>

### **Real-time Chat Application**

Engineered a high-performance messaging platform with real-time data synchronization. Designed a modern, responsive UI using Tailwind CSS for a seamless user experience.  
[https://github.com/Oliyad-oli/ODgram\\_Chat\\_app](https://github.com/Oliyad-oli/ODgram_Chat_app)

## TECHNICAL PROFICIENCIES

### **Programming Languages**

Python, Java, JavaScript/TypeScript, Dart

### **Frameworks & Libraries**

React, Node.js/Express, Flutter, TensorFlow/PyTorch, Spring Boot

### **Tools & Technologies**

Git/GitHub, Docker, VS Code, Jupyter Notebook, Agile/Scrum methodologies

### **Machine Learning & Data Science**

Scikit-learn, Pandas, NumPy, Matplotlib/Seaborn, Supervised & Unsupervised Learning techniques

### **Database**

Databases MongoDB (NoSQL/document-based), PostgreSQL (advanced relational with JSON support), MySQL (relational for web apps), SQL (querying, schema design, joins, optimization)