Abdulselam Jemal

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SUMMARY

Fourth-year Computer Science student at Werabe University with a CGPA of 3.90/4.00. Passionate about full-stack web development, machine learning, and software engineering. Experienced in developing web applications, machine learning models, expert systems, and computer graphics projects. Strong analytical, problem-solving, and teamwork skills with a commitment to continuous learning and building real-world software solutions.

EDUCATION

Werabe University Ethiopia

Bachelor of Science (B.Sc.) in Computer Science, CGPA: 3.90/4.00, Relevant Coursework: Data Structures & Algorithms, Database Systems, Software Engineering, Artificial Intelligence, Machine Learning, Computer Graphics, Operating Systems, Web Development Expected Graduation: 2027

EXPERIENCE

Student Software Developer

Werabe University

- Developed academic software projects individually and collaboratively.
- Applied software engineering practices throughout project development.
- Used Git and GitHub for source code management.
- Solved algorithmic and programming challenges using C++ and Python.

PROJECTS

E-Commerce System for Local Businesses | PHP | MySQL | JavaScript | HTML | CSS

- Developed a complete e-commerce system with secure authentication.
- Implemented role-based access control for administrators and users.
- Built shopping cart, checkout, and order management modules.
- Designed responsive interfaces for desktop and mobile devices.

News Article Topic Classification | Python | Machine Learning

- Developed a machine learning model to classify news articles.
- Performed preprocessing, training, evaluation, and prediction.
- Applied Natural Language Processing techniques for text classification.

Medical Expert System | Prolog

- Built a rule-based expert system for disease diagnosis.
- Implemented medical knowledge rules and treatment recommendations.
- Managed patient history and reasoning using logical inference.

Solar System Simulation | C++ | OpenGL (FreeGLUT)

- Designed an interactive Solar System simulation.
- Implemented animation, rotation, and graphical transformations.

Personal Portfolio Website | HTML | CSS | JavaScript

- Designed and deployed a responsive portfolio website.
- Showcased technical skills, education, and software projects.

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, PHP, SQL, HTML5, CSS3, Prolog

Frameworks & Libraries: Tailwind CSS, Chart.js

Databases: MySQL

Tools: Git, GitHub, VS Code, XAMPP, Linux, Windows

Core Concepts: Object-Oriented Programming, Data Structures, Algorithms, Database Design, REST APIs, Responsive Web Design, Version Control

Problem Solving

Critical Thinking

Communication

Teamwork

Leadership

Time Management

Adaptability

Fast Learning

ACHIEVEMENTS

CGPA: 3.90/4.00 Completed multiple software engineering and AI projects. Strong foundation in full-stack web development and machine learning.

LANGUAGES

Amharic (Native) English (Professional)

INTERESTS

Full-Stack Development Artificial Intelligence Machine Learning Open Source Software Software Engineering Technology Research