Yihunie Tarekegn

Software Developer| Computer Science Graduate | MERN Stack

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PROFILE

Enthusiastic CS graduate (GPA 3.94) with solid experience building scalable web apps using the MERN stack,Spring boot. Passionate about software innovation, national digital transformation, and collaborative open-source development. Certified by Oracle, Coursera & Udemy.

EDUCATION

Computer Science   2022 – 2025
Wokite University   Wolkite,Ethiopia
- CGPA 3.94
- Exit Exam 85%
- Courses: Algorithms, Java, Web Programming, Compiler Design, Graphics
- Sponsored: Oracle, RedHat trainings
- Online courses: udemy and Coursera

PROFESSIONAL EXPERIENCE

- Served as a student representative in the Computer Science department for 3 years, coordinating between faculty and students to support academic progress and department initiatives.
- Collaborated on software projects with peers using GitHub for version control, task management, and team-based development.
- worked as data verification officer at National ID.

PROJECTS

Hospital Management System   2023
- Designed and implemented a Hospital Management System using Java and MySQL, automating patient registration and doctor allocation, which reduced patient wait times by 40% and improved staff satisfaction.

Doctor's Appointment Booking   2024
- Engineered a responsive doctor appointment booking web application leveraging HTML, CSS, JS, PHP, and MySQL resulting in a 30% decrease in patient no-show rates at the hospital.

Gurage Zone Prison Management System   10/2024 – 04/2025
- Developed a full-stack prison management web app using React.js, Node.js, Express.js, MongoDB, and Tailwind CSS, enabling secure and real-time management of inmate records, staff data, and facility operations.
- Implemented role-based authentication, responsive dashboards, and real-time CRUD operations, leading to a 65% boost in administrative efficiency and reduction in unauthorized access.
- Introduced GitHub-based collaborative workflows, improving team coordination and reducing development conflicts by 70%, while enhancing overall system usability by 55% through intuitive UI design. ***view live*** 🔗

Megal Water Drilling Website   2025
- Developed a responsive website for Megal Water Drilling to showcase services, projects, and equipment, improving online presence and client engagement.***view live*** 🔗

Research Tracking and Development Project   2026
- Developed a Research Tracking and Review system (RTDP) where users submit research and admins assign reviewers, streamlining the submission and review process. ***view live*** 🔗

Additional Project Links
React App 🔗

Product Store In MERN 🔗

CERTIFICATES

Huawei Seeds for the Future (2023–2024)
- 5G, Cloud Computing, Digital Power

Coursera
- Backend Development and API Creation

Udemy
- MERN Stack Development Program

AWARDS

Academic Success
Wolkite University
Recognized by President Dr. Faris Delil Yesuf and Academic Affairs VP Dr. Habte Dulla

Huawei 2023-2024
Huawei
Huawei – Commended by the President of the Public Affairs and Communication Department

SKILLS

Frontend
- HTML5, CSS3, JavaScript, Bootstrap, Tailwind CSS, React.js

Backend
- Java, PHP, Node.js, Express.js

Data Base
- MySQL, MongoDB

Tools
- GitHub,Netlify,Render

REFERENCES

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