

ABDURHMAN ABRAR

Address: 123 Anywhere St., Any City

Phone: (+251) 941 667 729

Email: contact.abdurhman@gmail.com

Website: www.abdurhman.debbal.com | ju.edu.et/staff-members/abdurohamn-abrardeveloper/

SUMMARY

Experienced software development professional with expertise in software design, development, and integration. Possesses advanced knowledge of in-demand programming languages and a proven track record of writing code and developing systems for various applications within the [Industry] sector. Specializes in creating efficient and innovative solutions that meet client and end-user needs.

PROJECTS

Ministry of Peace Youth Volunteer Management System <http://yvms.mop.gov.et/>

- A streamlined platform for managing national youth volunteer programs aimed at promoting peace across Ethiopia. The system manages volunteer applications, training deployments, and final certifications. It covers various modules like applicant management, regional settings (region, zone, woreda), program centers, and resource allocation, making the entire volunteer lifecycle efficient and centralized.
- Contributed to:
 - System architecture and database management.
 - UI design for an intuitive user experience.
 - Stakeholder collaboration for requirements gathering.
 - User training for successful deployment and adoption.

Research Management System (<https://research.ju.edu.et/>)

- Optimizes research operations by facilitating project management, funding, collaborations, and data tracking.
- Developed as a full-stack application using Laravel, with the frontend built in Blade and MySQL for the database.
- Utilized libraries for generating PDFs, reports, and dashboards.
- As a Software Developer and Technical Team Leader, I led the design and implementation, ensuring a user-friendly interface that empowers researchers to enhance productivity.
- Transitioned Jimma University to a paperless system, automating processes from proposal calls to final project steps.
- Collaborated with stakeholders, including the Research Director, to gather requirements and ensure the system met the needs of all users.
- Deployed across multiple universities in Ethiopia, including Mizan University, fostering a culture of innovation and scholarly excellence.

Jimma University Official Website (<https://ju.edu.et/>)

- Contributed as a Software Developer and Designer in the development of the Jimma University Official Website, built on WordPress.
- Aimed to enhance the university's online presence by creating a modern, user-friendly platform that effectively represents the institution and provides valuable information to students, staff, and the wider community.
- Played a key role in implementing SEO strategies and optimizations, which contributed to the website achieving a 2nd place ranking among Ethiopian universities on Webometrics.
- Facilitated easy access to information for students and individuals seeking to engage with Jimma University, improving communication and accessibility across various sectors.
- Collaborated with a team to ensure the website met the needs of all stakeholders and maintained a professional and engaging design.

Central User Administration System

- The Central User Administration System is a centralized platform designed to manage user identities and access permissions across multiple systems and applications, ensuring secure and consistent user management.
 - Initially developed using Laravel, the system was later migrated to Express.js (backend) and React (frontend) to improve performance and scalability.
 - Facilitates the creation, modification, and deletion of user accounts, streamlining user lifecycle management.
 - Integrated with LDAP and other authentication services, enabling seamless access control across different platforms.
 - Deployed across several Ethiopian universities, with Jimma University as the primary institution.
 - Provides robust access management, ensuring secure and efficient administration across various systems and applications.

Electronic Payment System for Jimma University

- A university-wide platform designed to centralize and manage all payment processes for Jimma University. The system handles student fees, administrative payments, and other financial transactions, offering a secure and efficient payment experience. It supports multiple payment methods, integrating with banking systems and mobile payment platforms, ensuring smooth financial operations across the institution.
- **My Role as Main Developer:**
 - Developed core payment modules for managing tuition, administrative fees, and other university transactions
 - Integrated the system with external payment gateways and mobile banking platforms for seamless transactions
 - Implemented security protocols to ensure data protection and secure payment handling
 - Optimized the system for scalability, ensuring it can handle high transaction volumes
 - Worked closely with the university's finance department to align system functionalities with institutional needs and compliance requirements

AFFILIATION

- Jimma University
- Debbal PLC
- American Corner
- Ministry of Peace Of Ethiopia
- Laxidia
- Edelala
- Jimma Municipality

EDUCATIONAL

- **Computer Science - Bachelor of Science | Jimma University**
 - **Jimma, Ethiopia | February 2021**
 - Recipient of Final Year Graduation Project Competition Cup
 - MSc Scholarship Award, 2021 due to exceptional performance in the graduation project competition.
 - Thesis Statement: 3D Indoor Navigation App for Jimma University Hospital
- **Artificial Intelligence - Master of Science | Jimma University**
 - **Jimma, Ethiopia | July 2024**
 - Thesis Statement: Amharic to Afan Oromo Translation Using Hybrid RNN-Transformer Translation

ADDITIONAL INFORMATION

- **Honors and Awards:**
 - **MSc Scholarship in Artificial Intelligence (Feb 13, 2021)**
 - Awarded by Jimma University for academic excellence and dedication to AI.
 - **Exhibition Participation – Jimma University Graduation Ceremony**
 - Recognized for showcasing an innovative undergraduate research project.
 - **Certificate of Excellence – First Place for 3D Indoor Navigation App**
 - Awarded at Jimma Medical Center's Final Year Project Competition.
 - **First Place – Crafting Brilliance in the American Corner Upcycled Bag Competition**
 - Won for innovative design and eco-friendly craftsmanship.
- **Skills**
 - **Programming Languages** C++, Python, PHP, Java, Javascript, Go, Typescript
 - **Frameworks** Angular, React, Nodejs, ExpressJs, Laravel, NextJs, Spring
 - **Mobile Development** Flutter, React Native, Swift, Kotlin
 - **Databases** MySQL, MongoDB, Firebase, BigQuery, Snowflake
 - **Cloud Platforms** AWS, Azure, GCP, IBM Cloud, Oracle Cloud
 - **Version Control** Git, GitHub, GitLab, Bitbucket
 - **DevOps and CI/CD** Docker, Kubernetes, Jenkins, Travis CI, CircleCI, AWS CodePipeline
 - **Software Development Methodologies** Agile, Scrum, Kanban, TDD, CI, CD
 - **API Development and Integration** RESTful APIs, GraphQL, SOAP, API Design, Swagger/OpenAPI
 - **Project Management Tools** Jira, Trello, Asana, Monday.com
 - **Soft Skills** Problem Solving, Communication, Team Collaboration, Time Management, Adaptability
 - **Additional Skills** UX/UI Design, Agile Methodologies, Cloud Cost Management, Data Analysis, Machine Learning