Kerim T.Abdulsemed

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EDUCATION

HiLCoE – School Of Computer Science & Technology   **Ethiopia,Addis Ababa**
B.S.C in Computer Science   *Expected Graduation, Jan 2025*

- **Concentrations:**Software Development ,Cyber Security and Data Science
- **GPA:** 3.7/4.00, *Magna cum laude*
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

Adika Taxi   **Ethiopia,Addis Ababa**
Software Development Engineering Intern   *Jul 2022 – Sep 2022*

- Developed responsive, user-friendly interfaces using React with Redux for state management, ensuring seamless user experience.
- Built secure backend APIs with Django and Django REST Framework (DRF), integrating SQLite for efficient data storage and retrieval.
- Enhanced internal processes in an HR system by implementing React Query for optimized data fetching and Jest for comprehensive frontend testing, resulting in improved application performance and reliability.

Hilcoe School of Computer Science and Technology   **Ethiopia,Addis Ababa**
Java lab instructor   *May 2024 – Sep 2024*

- Led hands-on labs at HiLCoE – School of Computer Science & Technology, teaching Java programming fundamentals and core object-oriented programming concepts.
- Guided students in using Eclipse and IntelliJ IDEA, building practical skills and reinforcing understanding of Java's foundational principles.
- Developed and reviewed lab exercises focusing on data structures, algorithms, and exception handling, providing students with essential problem-solving skills and programming techniques.

Oumer Auto Glass Inventory System   **Ethiopia,Addis Ababa**
Full Stack Developer   *May 2024 – Sept 2024*

- Built a smart inventory management system for Oumer Auto Glass using the MERN stack, incorporating AI-driven sales predictions and inventory tracking.
- Developed predictive analytics to forecast inventory needs, automate stock replenishment, and alert on low stock levels, optimizing inventory control.
- Created an interactive, real-time dashboard for visualizing inventory trends and performance metrics, empowering Oumer Auto Glass to make informed, data-driven decisions.

Feruz Textile imports Inventory System   **Ethiopia,Addis Ababa**
Full Stack Developer   *Sept 2024 – Present*

- After Feruz Abdu Imports hired me based on the success of my smart inventory management system for Oumer Auto Glass, I designed and implemented a tailored solution using the MERN stack for their inventory needs.
- Created real-time inventory tracking features, automated stock alerts, and streamlined access to order and supplier data to enhance operational efficiency.
- Developed an intuitive, user-friendly dashboard with data visualization tools, enabling quick insights into key metrics and supporting data-driven decision-making.
- Optimized inventory processes to support proactive stock management, ensuring Feruz Abdu Imports can maintain optimal stock levels and reduce shortages

PROJECTS

Adika HR System   **Ethiopia,Addis Ababa**
Full Stack Developer   *Jul 2022 – Sep 2022*
- Designed and developed a comprehensive HR application using React for the frontend and Django REST Framework for backend APIs.
- Created intuitive, user-friendly interfaces to streamline processes like employee management, attendance tracking, and task assignments.
- Integrated JWT for secure user authentication and used SQLite for reliable data storage, ensuring data integrity and system security.

Smart Inventory Management System   **Ethiopia,Addis Ababa**
Team Lead   *aug 2024 – sept 2024*
- Developed an AI-driven inventory management system using Scikit-learn to track and predict inventory levels, with a predictive model for forecasting quantities sold and alerting when stock is low.
- Integrated Node.js, Express, and MongoDB for backend processes and flexible inventory data storage, enabling automatic stock replenishment alerts.
- Leveraged AWS services such as Lambda and S3 for automation and data storage, creating a real-time inventory dashboard with React and Chart.js.

SkillS

Programming Languages
 Java, Python,Java Script, HTML/CSS, SQL, Node.js, React.js, C++,Dart,Type Script
Tools
Android Studio, PyCharm, Eclipse, Jupyter Notebooks, Git, Bootstrap, Spring Boot, Agile,Autodesk Maya
FrameWorks
Next.Js,Expres.Js ,Django,Sckikit Learn
Soft Skill
Time Management, Leadership, Problem Solver, Teamwork, Active Listener, Communication

Organizations

Google Developer Students Club   **Ethiopia ,Addis Ababa**
Organizer   *Feb 2022 – Apr 2022*
Roteract Club   **Ethiopia ,Addis Ababa**
School of tomorrow Representative   *oct 2019 – Nov 2019*