Jibril Arbicho

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EXPERIENCE

Full Stack Developer Intern

Backos Technologies

Feb 2024-June 2024

- **RESTful API Development:** Developed RESTful APIs using Express.js to support scalable backend services.
- **Database Design:** Designed and implemented database schemas to ensure efficient data storage and retrieval.
- **Frontend-Backend Integration:** Integrated frontend components with backend endpoints, enabling seamless data flow and improved user interaction.

PROJECTS

Full Stack E-commerce Platform for Cosmetics(~30 hours)

Sep 2023-Nov 2023

- Developed a responsive interface for customers to browse cosmetic products with detailed descriptions and pricing.
- Built RESTful APIs with Express.js to handle product data, cart functionality, and user authentication.
- **Technologies**: MongoDB, Express.js, React.js, Node.js (MERN stack)

CMMMS

Full Stack Construction And Machinery Material(~100 hours)

Feb 2024-Jun 2024

- Developed RESTful APIs with Express.js to support scalable backend services.
- Implemented Redux Toolkit for efficient state management across the application.
- Architected a high-performance database schema for inventory and material management.
- Enabled real-time notifications with Socket.io to alert users about low stock levels.
- Integrated report generation based on user-selected time intervals to track material usage.
- **Technologies**: MongoDB, Express.js, React.js, Node.js (MERN stack)

Robust E-commerce Platform Supporting Multiple Vendors(~120 hours)

Apr 2024-Sep 2024

- Developed APIs using Django REST Framework to support e-commerce functionalities.
- Integrated Stripe for secure and seamless payment processing.
- Enabled multi-vendor support, allowing customers to order products from various vendors.
- Implemented product search, image carousel, pagination, and filtering for an enhanced user experience.
- **Technologies**: Django, Django REST Framework, Stripe API, MySQL

AI-Powered and 3D View Online Marketplace For Real State in Ethiopia, (~150 hours)

Feb 2025-May 2025

- Developed a PyTorch-based price prediction model

- Built an AI-powered chatbot using LangGraph and MongoDB Vector Search Atlas for real-time user support.
- Integrated Chapa and Stripe payment gateways for secure transactions.
- Developed Express.js backend APIs.
- Developed FastAPI-based APIs to integrate the price prediction model and chatbot with the frontend.
- Technologies: PyTorch, LangGraph, MongoDB, TypeScript, Express.js, FastAPI, Next.js

EDUCATION

Bachelor of Science in Software Engineering
Jimma University,Ethiopia
Graduation: Jun 2025

SKILLS

Languages| Python(3+years)+JavaScript(4+years) +TypeScript(1+years)
Front End Developmet| React.js+Redux+ TailwindCSS+HTML+CSS
Back end| Express.js(4+years)+Django(2+years) +FastAPI(1+years)
Databases| MySQL, MongoDB
Machine Learning & AI| Machine Learning(3+years) +PyTorch(2+years)+Langchain(1+years)+Langgrpah(1+years)