

# FIKEWA OLATUNJI

Graduate Research Assistant | Software Developer

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## PROFILE SUMMARY

Creative and dedicated Software and Frontend Developer focused on building and optimizing high-impact websites. Leverages technical skills to create reliable websites, apps, and platforms. Proficient in all stages of software development, including design, coding, debugging, testing, and maintenance. Experienced in implementing secure, continuous-deployment pipelines in cloud environments.

## TECHNICAL SKILLS & CORE COMPETENCIES

- Languages & Web:** JavaScript (React, Node.js), TypeScript, HTML, CSS, Python, SQL, JSON
- Frameworks/Libraries:** Next.js, Redux, TailwindCSS, Express.js
- Databases:** MongoDB, PostgreSQL, Firebase, DynamoDB
- Cloud & DevOps:** Docker, Kubernetes, AWS, GCP, Azure, Git, GitHub, GitLab, Jenkins, Linux
- Tools & Concepts:** Agile, CI/CD, RESTful APIs, GraphQL, Jira, OOP, Design Patterns
- ML/AI Tools:** TensorFlow, Scikit-learn, PyTorch, Pandas, NumPy

## PROFESSIONAL EXPERIENCE

**Graduate Research Assistant** – Prairie View A&M University **January 2025 – Present**

- Modeled Ethereum block propagation using Stackelberg game theory, reducing latency by 22% in mixed reality simulations.
- Engineered a custom Monte Carlo simulation framework to evaluate protocol utility, equilibrium dynamics, and relayer strategies under varying network loads.
- Completed a full research manuscript featuring detailed system modeling, game formulation, and performance analysis for academic submission.

**Software Developer (Remote)** – Tebibcom (EMR Software) **July 2024 – December 2024**

- Built and maintained EMR front-end using Next.js, TypeScript, and TailwindCSS, increasing developer speed by 40%.
- Implemented secure patient login and role-based access control, reducing unauthorized access attempts by 30%.
- Integrated appointment scheduling and records API, decreasing page load time by 20% and consultation booking time by 25%.
- Refactored UI components for reusability across modules, reducing code redundancy by 35%.

**Front-end Developer(Remote)** – CitiGo **January 2024 – July 2024**

- Developed booking, driver matching, and trip tracking UIs using Next.js, improving customer booking success rate by 20%.
- Integrated Google Maps API and custom fare logic, improving ETA accuracy and user satisfaction by 18%.
- Built responsive dashboards for drivers and riders, reducing support tickets by 22% and increasing mobile usage by 30%.
- Collaborated with the backend team to optimize data fetching, cutting trip confirmation delays by 40%.

## EDUCATION

**Master of Science in Electrical and Computer Engineering** **January 2025 - December 2026**  
Prairie View A&M University (4.0/4.0 GPA)

## CERTIFICATIONS

- Software Development Bootcamp – High Impact Careers
- MetaFront-End Developer Professional Certificate
- Google Project Management: Professional Certificate

## PROJECTS

- AI Customer Support Bot:** Built an intelligent support assistant using retrieval-augmented generation (RAG) powered by Google Vertex AI. Integrated document ingestion, semantic search, and conversational flow management. Developed the frontend using JavaScript, Next.js, and MUI to simulate live support scenarios.
- AI Pantry Tracker:** Developed a smart pantry tool that uses image-based object detection to log food items to a Firebase backend. Users can also manually log items. Built the frontend with JavaScript, Next.js, and MUI for intuitive inventory management.