Isaac Mungai

School of Computing and Information Technology Representative

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PROFESSIONAL SUMMARY

Results-driven Computer Science student with hands-on experience in full-stack development, cloud computing, and AI applications. Passionate about leveraging technology to solve real-world problems, with expertise in React, Java, AWS, and database engineering. Strong leadership and teamwork skills as the elected Representative for the School of Computing and IT.

TECHNICAL SKILLS

- Programming Languages: Java, JavaScript, TypeScript, SQL, Python, ARM Assembly
- Frontend: React.js (ShadCN, Tailwind CSS), Leaflet.js (maps & navigation)
- Backend: Node.js (Express.js), Java (Spring Boot)
- Database: MySQL (normalization & engineering), Supabase
- Cloud & DevOps: AWS DeepRacer (ML model training), Firebase, Git, Docker
- Networking: Network programming with Java, ISP infrastructure research
- AI & Data Science: AI for business optimization, Probability & Statistics

PROJECTS

Chatsasa - University Chat Application

Designed and developed a real-time chat platform for university students using React, Supabase, TypeScript, Tailwind CSS, and Java (backend). Integrated map navigation using Leaflet.js and presented the project at the University Innovation Week.

E-Commerce Database Engineering

Designed a normalized MySQL database for an e-commerce platform, ensuring efficient indexing and query optimization, and implementing secure user authentication and payments integration.

AI-Driven Business Optimization

Researched and developed AI-driven strategies to boost sales and efficiency in businesses, analyzing AI-based marketing and automation techniques.

EXPERIENCE & LEADERSHIP

School of Computing and IT Representative

Advocated for tech students, organized coding workshops, and led research on AI in education.

Freelance Software Developer

Developed web applications using React, Node.js, and MySQL while optimizing performance.

EDUCATION

Bachelor of Science in Computer Science

[Your University Name] | Expected Graduation: [Year]

CERTIFICATIONS & TRAINING

- AWS DeepRacer Model Training

- Advanced MySQL Database Design

- React.js & Supabase Full-Stack Development

- Java Network Programming

CONTACT & LINKS

- GitHub: github.com/IsaacMungaiAI

- LinkedIn: linkedin.com/in/isaac-mbugua-423ba734a

- Portfolio: mungaiai.com