

UNATHI TSHUMA

CONTACT DETAILS

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PERSONAL PROFILE

A dedicated **Full-Stack Developer** excelling in the MERN stack (React, Next.js, Node.js) with additional proficiency in Python, C#, and cloud services (Azure). Experienced in developing, deploying, and maintaining scalable web and mobile applications from concept to launch. I adopt a detail-oriented approach to problem-solving and seek a challenging Full Stack Developer position to drive innovation within a collaborative, growth-focused team.

SKILLS

CATEGORY	SKILLS
FRONTEND	React, Next.js, JavaScript, HTML, CSS, Tailwind CSS, React Native
BACKEND	Node.js, Express, Python, C#, RESTful APIs
DATABASES	MongoDB, MS SQL
TOOLS & CLOUD	Git, Vercel, Microsoft Azure Services (Table/Storage, Functions, Web Apps)

EDUCATION

1. IIE BACHELOR OF COMPUTER AND INFORMATION SCIENCES IN APPLICATION DEVELOPMENT | January 2024 - Present

IIE Varsity College Waterfall | 2024

- Focus on advanced coursework in full-stack development, cloud services, and Agile methodologies.
- Developed and deployed interactive web and mobile applications using React, Node.js, and cloud platforms.

2. IIE HIGHER CERTIFICATE IN WEB DEVELOPMENT AND MOBILE APPLICATION | January 2023 - 2024

IIE Varsity College Waterfall | 2023

- Graduated with **five distinctions**, demonstrating strong technical aptitude and commitment to academic excellence.

- Completed a capstone project (Instagram Clone), mastering full-stack implementation, database integration, and responsive UI/UX design.

3. NATIONAL SENIOR CERTIFICATE January 2010 - 2022

Dominican Convent | 2010

- Elected student leader, actively supporting student welfare and communication between learners and faculty.
- Led technology-driven learning initiatives, encouraging the integration of IT skills and innovation within the school community.

PROJECTS

Crisis Connect | Independent Project / Hackathon Submission

2024 – Present

- Developed an AI-powered early warning system that analyzes real-time and historical weather data to predict severe weather events such as floods and storms.
- Built the backend using Python and FastAPI, integrating APIs like Open-Meteo and Sentinel satellite data for data collection and model training.
- Implemented a machine learning model to assess risk levels and generate automated alerts distributed via SMS, WhatsApp, and USSD.

Retail Management Application | Varsity College / Azure Cloud Project

2024

- Developed a scalable cloud-based retail management platform to handle inventory, customer records, and transaction processing.
- Integrated Microsoft Azure services, including Azure Table Storage, Azure Storage Account, Azure Function Apps, and Azure Web Apps, for data storage, automation, and cloud deployment.

WORK EXPERIENCE

1. Student Tutor

IIE Varsity College Waterfall | January 2025 – Present

- Facilitate academic support sessions in web development and computer science, simplifying complex topics and guiding students through hands-on problem-solving.
- Design and deliver interactive workshops aimed at improving student performance, engagement, and confidence in technical subjects.

2. Frontend Dev Intern

Cyber-mint | September 2025 – November 2025

- Developed and maintained responsive user interfaces using modern frontend frameworks while ensuring seamless integration with backend APIs.
- Collaborated with backend developers to define API requirements, test endpoints, and troubleshoot integration issues for efficient data flow.