

NFOR PRESLY TAKOP

Douala, Littoral, Cameroon | Languages: English & French | Date of Birth: 19/03/2003

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EDUCATION

College of Technology, University of Buea, Cameroon

Bachelor of Technology (B.Tech) in Computer Engineering

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming (Java), Script Language (Python), Static & Dynamic Web Design, Mobile App Development, Fundamentals of Programming (C), UML, Database Systems.

TECHNICAL SKILLS

Programming Languages: C, Java, Python, JavaScript, HTML, CSS, Typscript.

Frameworks & Libraries: React.js, React Native, Next.js, Tailwind CSS, Bootstrap, Node.js, Express.js.

Databases & Tools: SQL, MongoDB, Firebase, Appwrite Software & Tools: Git & GitHub, VS Code, Figma, Anaconda, Adobe Photoshop

EXPERIENCE

Bitsvalley Cameroon | Software Engineering Intern (June 2023 – August 2023)

- Designed and built a mobile application using Figma and implemented it in React Native.
- Developed a full-featured eCommerce website using the MERN stack.
- Created a Weather App using React and an external weather API.
- Built a Ticketing Web Application using Next.js, implementing dynamic routing, user authentication, and scalable backend APIs.

Bitsvalley, Cameroon | Software Engineering Intern (June 2022 – August 2022)

- Tasked with designing and building websites for the company.
- Developed and deployed 3 complete websites
- Strengthened practical knowledge in front-end development and software delivery lifecycle.

PROJECTS

Automatic Timetable Generator Web Application | React.js, Python Flask, GA.

- Developed a full-stack application that automatically generates conflict-free academic timetables for university faculties.
- Utilized a custom genetic algorithm to optimize scheduling based on lecturer availability, course duration, room capacities, and student level constraints.
- Built an intuitive React-based frontend for faculty-specific management of departments, courses, and schedules.
- Flask backend handled constraint validation, data processing, and communication with the frontend via REST APIs.
- Significantly improved the speed and accuracy of academic scheduling compared to manual methods.

Ticketing Web Application | Next.js, Tailwind CSS, NextAuth

- Designed and developed a full-stack web application for managing customer support tickets and internal issue tracking.
- Integrated secure user authentication and session management using NextAuth, with role-based access for customers and support agents.
- Enabled users to create, update, and track support tickets with dynamic status, priority, and category handling.
- Structured the application using a modular architecture decoupling UI components, API service handlers, and database logic for maintainability and scalability.