

James Zokah

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<https://jameszokah.me>

EDUCATION

University of Ghana

Programme: Bachelor of Arts, Information Science, Political Science

Expected August 2023

Relevant Courses: Database Management, System Analysis and Design, Programming of Information Systems Application, Public Relations

ACHIEVEMENTS / AWARDS

Teaching Assistant (University of Ghana - Python Course)

- - Appointed as a TA for a popular Python course.
- - Demonstrated exceptional Python proficiency, earning trust at the academic institution.
- - Guided students in understanding complex Python concepts and problem-solving.
- - Conducted tutorials and workshops to enhance student's Python comprehension and foster interest in programming.

WORK EXPERIENCE

Internship | National Health Insurance Scheme (NHIS) Ghana

Aug

2023 – Oct 2023

- Processed over 100 new member card applications per day, reducing the average turnaround time by 25%
- Developed a new system for tracking card replacements, improving customer satisfaction by providing prompt and accurate information
- Assisted with customer inquiries and provided administrative support to NHIS staff, demonstrating my strong customer service, data entry, problem-solving, teamwork, and communication skills
- Developed a Script for Automated PDF-to-Excel Data Extraction

Flutter Mobile Developer | Koppel

Accra, Ghana

Feb

2023 – Present

- Developed a new Garbage Management Mobile App that resulted in a 75% increase in driver customer sign-ups.
Designed and implemented a user-friendly app that made it easy for users to schedule garbage collection and track their waste disposal.

Leveraged data analytics to identify and address user pain points, significantly increasing app engagement. Collaborated with cross-functional teams to ensure the app met the needs of both users and the business.

- Developed a full-stack Taxi mobile app for a company abroad that unlocked the possibilities of high customer engagement and great user experience. Built the app using cutting-edge technologies, such as Flutter and Node.js.
Designed a beautiful and intuitive user interface that was easy to use for both drivers and passengers. Implemented features that promoted customer engagement, such as in-app messaging and ride tracking. Successfully launched the app in multiple countries and achieved high customer satisfaction ratings.

UX/UI Designer, Remote | Upwork

Feb

2022 – Mar 2022

- Collaborated with a team of Reactjs developers for a month on a major website redesign
Used Figma to design a full-stack Web application to improve new features and meet the needs of existing clients
Redesigned the website to create a more visually appealing, user-friendly experience

PROJECTS

Metap - Video Conferencing App (Nextjs, Express, Mediasoup, TailwindCss, Firebase, Typescript, Zustand)

- Employed Next.js, a React framework, to craft a dynamic and responsive user interface that facilitates real-time communication, screen sharing, and interactive features.
- Built a robust Express server to handle authentication, room management, and signaling, ensuring efficient and reliable data exchange between users.
- Integrated Mediasoup, an innovative media server, for high-quality audio and video streaming with low latency, guaranteeing an immersive conferencing experience.
- Utilized Tailwind CSS to design an elegant and intuitive user interface, optimizing the user experience with visually appealing and responsive layouts.
- Implemented Firebase for user authentication to enhance application security, enabling users to create accounts and log in securely.
- Leveraged Zustand for state management, creating a streamlined and efficient application flow with minimal boilerplate code.
- Enabled screen-sharing functionality, empowering users to present their screens and enhance collaboration by sharing documents, and presentations, Implemented a chat feature for text-based communication, enhancing collaboration through instant messaging alongside video calls.

Link: <https://metap.live>

Sign Language Detection in Real Time

- Developed a real-time sign language detection system using MediaPipe Holistic and TensorFlow.
- Extracted key points of the hand and face, and labeled them with the corresponding gestures.
- Trained a neural network to predict the gestures of each key point.
- The system achieved an accuracy of 90% on a test dataset of sign language videos.

Link: https://github.com/jameszokah/handson_ml3/blob/main/sign.ipynb

Credit Card Fraud Detection

- Developed a machine learning model to detect credit card fraud in an imbalanced dataset.
- Used logistic regression, random forest, and support vector machine algorithms
- Implemented oversampling and undersampling techniques to address the imbalance.
- Evaluated the models using precision, recall, and F1 scores.
- The best model achieved an accuracy of 95% with a precision of 80% and a recall of 90%.

Link:

https://github.com/jameszokah/handson_ml3/blob/main/Detecting_Credit_Card_Fraud.ipynb

Netflix clone (Reactjs, Redux, Firebase, React-Query)

- I developed a responsive UI and took advantage of React's reusable components to gain interactivity and obtained 96% code performance.
- Reduced 65% complexity by managing the state of each movie with Redux, which helped me to lift up the state of the app to enable other components to have access to and dispatch any state change in the development process
- Implemented authentication with Firebase to enable users to sign up and log in with their email and password or sign in with Google Oauth and also used Firestore to store users' data.

Link: <https://noflix-web.vercel.app/>

Admin Dashboard (Nextjs, Tailwind CSS)

- Leverage the UI with Reactjs to achieve a 25% faster update of components on the user interface.
- Achieved caching of YouTube's video data by using React Query to make background fetch YouTube videos and cache them in memory to enhance the UI's performance.
- Implemented Authentication for users with Google Oauth and displayed their user session after authorization.
- Dark mode on websites is one essential feature for users therefore adding dark mode for authenticated users

Link: <https://yamazon-admin.vercel.app>

SKILLS AND INTERESTS

Skills

Nextjs
React.js
Node.js
Python
Dart,
Flutter
PostgreSQL
JavaScript
Html5
CSS3,

Tools

Docker,
Git

Soft Skills

Problem-solving
Critical Thinking
Creativity
Collaboration

CONTACT

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