Abdullah Buhary

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github.com/AbdullahBuhary2327 | https://abdullahbuhary2327.github.io/portfolio/

PROFESSIONAL SUMMARY

As a final-year Computer Science student with extensive hands-on experience across multiple technology domains, I bring a unique combination of technical expertise and business acumen. I specialize in full-stack development, mobile application development, UI/UX design, system administration, cybersecurity, machine learning, and business analysis. With a proven track record of delivering end-to-end solutions from concept to deployment, I excel at translating complex business requirements into scalable technical solutions. My diverse skill set enables me to contribute effectively across various roles while maintaining a focus on user-centered design, security best practices, and continuous innovation.

EDUCATION

Staffordshire University, UK Sri Lanka
Bachelor of Science (Hons) in Computer Science — APIIT *2022 – 2025*

St. Sylvesters College Kandy Sri Lanka
Advanced Level - Commerce Stream *2019 – 2021*

EXPERIENCE

Full-Stack Developer Jun 2024 – Present
Freelance
- Designed and developed end-to-end web applications using React for front-end and Node.js for back-end development.
- Integrated MongoDB, PostgreSQL, and Firebase for data management, ensuring efficient storage and retrieval for dynamic web applications.
- Built RESTful APIs and implemented authentication and authorization mechanisms using JWT and OAuth.
- Enhanced UI/UX by implementing responsive design principles, improving application accessibility across devices.

Full-Stack Developer Jan 2024 – Jun 2024
Saha Holdings (Pvt) Ltd
- Developed and maintained web applications and backend services using the MERN stack (MongoDB, Express.js, React, Node.js).
- Wrote clean, maintainable code and followed best practices for both front-end and back-end systems.
- Collaborated with the design team to implement responsive user interfaces with React.
- Participated in Agile development cycles and code reviews to ensure high-quality, scalable software.

PROJECTS

DrowseGuard - Drowsiness Detection Android App Python, OpenCV, Android Studio
- Implemented real-time drowsiness detection using Eye Aspect Ratio (EAR) and Mouth Aspect Ratio (MAR).
- Developed alert system to detect and respond to driver fatigue patterns.

Smart Waste Management System (IoT + ML) Python, Flask, Firebase
- Utilized sensor data collection and machine learning models to optimize garbage truck routing.
- Integrated IoT devices with cloud-based analytics for real-time waste management.

E-commerce Website with Payment Gateway Laravel
- Built comprehensive e-commerce platform with product listing, shopping cart, and secure payment integration.
- Implemented user authentication system and admin panel for order and product management.

Elite Tea Website HTML, CSS, JavaScript
- Designed responsive business website to showcase tea products with interactive UI elements.

Flash Feed - News Aggregator Android App   Android Studio, Java
- Developed a modern Android news app that fetches real-time headlines using a public News API.
- Designed clean UI with categorized news and dynamic content loading.

Game Flock - Multi-Game Android App   Android Studio, Java
- Created a gaming app that includes three different mini-games in a single interface.
- Focused on interactive design, performance optimization, and engaging user experience.

Chat Hub - Real-Time Messaging App   Android Studio, Java
- Developed a real-time Android chat application with user authentication and smooth UI/UX with firebase implementatiuon
- Integrated Firebase for real-time messaging and cloud data storage.

CERTIFICATIONS & LICENSES

Microsoft & LinkedIn Career Essentials (2025)

Career Essentials in Business Analysis — April 2025

Career Essentials in Cybersecurity — April 2025

Career Essentials in Software Development — April 2025

Career Essentials in System Administration — April 2025

PROFESSIONAL DEVELOPMENT CERTIFICATIONS

Become a Full-Stack Web Developer — April 2025

Figma for UX Design — April 2025

Professional Networking — April 2025

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS
Libraries & Tools: Scikit-learn, TensorFlow, Keras, OpenCV, NumPy, Pandas, Matplotlib, Flask, Android Studio
ML Techniques: Supervised/Unsupervised Learning, Feature Scaling, K-Means, Decision Trees, SVM, ANN
Data Processing: Preprocessing, Normalization, Train-Test Split, Model Evaluation
Dev Tools: Git, GitHub, VSCode, Jupyter, Google Colab

SOFT SKILLS

Team collaboration, time management, and critical thinking.

Effective communicator with a strong sense of responsibility.

Multilingual: Fluent in English, Tamil; Proficient in Sinhala.