Kavindu Dhananjaya

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SUMMARY

Motivated BSc (Hons) Computer Engineering undergraduate with a strong programming, design, and project management foundation. Proven problem-solving and teamwork skills, with a passion for emerging technologies and a focus on pursuing a career in cybersecurity.

TECHNICAL SKILLS

Languages	: Python, JavaScript, TypeScript, C++, Dart, Java, .NET, SQL, C, C#
Mobile Apps	: Android
O/S	: Windows, Linux
Databases	: MySQL, SQLite, MongoDB, Firebase
Digital Art	: Canva, Adobe Photoshop
Tools	: Visual Studio, VS Code, Kali Linux, IntelliJ IDEA, Android Studio

PROJECTS INVOLVED

Event Planning Mobile App   2024

- Developed an event planning app that streamlined user event organization, featuring cloud-based user accounts and an AI-powered chatbot, increasing user efficiency by 30%
- **Features**: User-friendly interface, Cloud base accounts for users, Chatbot for brainstorming
- **Framework**: Flutter

Breast cancer predicting application   2024

- Built a breast cancer prediction app with a user-friendly interface, leveraging neural networks with TensorFlow and Keras for accurate early diagnosis.
- **Features**: User-friendly interface, Neural network to improve prediction
- **Framework**: Python
- **Libraries**: Tensorflow, Keras, Pandas

Games4U   2024

- A games-selling platform where users can purchase games for a comfortable price.
- **Features**: User-friendly interface for seamless browsing
- **Framework**: MERN
- **API Integration**: RAWG API for game data.
- **Libraries**: Redux for state management, Axios for API calls.

Machine repair prediction tool **2024**

- Developed a predictive tool that identifies whether a machine requires maintenance before a breakdown, helping to reduce downtime and repair costs.
- **Features**: User-friendly GUI for data input and prediction results, Integrated two machine learning models for improved accuracy and reliability.
- **Framework**: Python
- **Libraries**: Pandas (data manipulation), CustomTkinter (GUI development), Matplotlib (data visualization), Scikit-learn (model training and evaluation)

ACADEMIC EDUCATION

University of Ruhuna **2022-2026**
Faculty of Engineering
BSc in Engineering – Computer (Undergraduate)

PROFESSIONAL EDUCATION

Responsive Web Design certification by freecodecamp 2023

Python (Basic) Certification by Hackerrank 2024

JavaScript Algorithms and Data Structures certification by freecodecamp 2023

Professional Certificate in Agile and Scrum by Udemy 2024

EXTRACURRICULAR ACTIVITIES

- First runners up in the AI-Sprint which is powered by Sysco Labs
- Finalists of the Dextron 1.0 competition organized by the Institute of Technology University of Moratuwa
- Participated in Xtreme Encode organized by the IEEE Xtreme 18.0 Region 10
- Participated in the RedCypher 1.0 competition organized by the IEEE student branch in the University of Ruhuna
- Participated in the MoraXtreme 9.0 competition organized by the IEEE Student Branch, University of Moratuwa
- Technical Lead of the HaXtream 3.0 competition organized by the IEEE student branch in the University of Ruhuna

REFEREES

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