



ERANDA SATHSARA ABEWARDHANA

ARTIFICIAL INTELLIGENCE
UNDERGRADUATE



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LinkedIn

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GitHub

[Eranda-Abewardhana](#)



Stack Overflow

[Eranda](#)

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

- Java
- C
- Python
- JavaScript
- R
- C++

WEB DEVELOPMENT

- HTML
- Bootstrap
- SEO
- Node.js
- React
- CSS
- JavaScript
- Django
- Angular
- Next.js

DATABASE

- MySQL
- Firestore
- Firebase Real-time Database
- MSSQL
- MongoDB



PROFILE

An undergraduate pursuing a BSc in Artificial Intelligence at the University of Moratuwa, with hands-on experience in mobile app development. Seeking an internship opportunity to apply and expand my knowledge of machine learning and artificial intelligence technologies. Recognized for strong team spirit, leadership skills, and a proactive approach, aiming to contribute my expertise and grow within a dynamic, tech-driven environment.



EDUCATION

BSc. (Hons) in Artificial Intelligence University of Moratuwa

2022-2026 (Expected) SGPA 3.21 (Current)

Certificate in Java University of Colombo

2019-2020

GCE Advanced Level - Physical Science Stream (2020) 2A's 1B (Z-Score - 1.8697)

Sri Sumangala College Panadura
2017-2020

G.C.E Ordinary Level (2016) 8A's 1B

Royal College Panadura
2006-2016



WORK EXPERIENCE



Mobile App Developer eVision Microsystems Pvt Ltd

2020-2021

Experienced mobile app developer with over 1 year of proven success, adept at delivering high-quality projects on time. Specialized in adding innovative features and ensuring meticulous project finalization.

Technologies : Android, .Net core Web API, Flutter



PROJECTS



Call Center Communication Analyzer

2024

– Second-year Software group project Mentored by CodeGen

Developed a system as part of the SentiView platform to analyze call recordings for sentiment analysis, providing actionable insights for improved customer engagement. The project aims to enhance customer satisfaction, provide strategic decision-making support, improve call operator performance, and increase operational efficiency in call center management.

Technologies: FastAPI, Angular, MongoDB, GitHub Actions, Docker, AWS (S3 Bucket, Lambda Functions, EC2 Instance)

My Role:

Developed the Call Recordings Page, Managed call recordings and pending calls. Implemented the call uploading page. Dockerized the system for efficient deployment and management.



YouFira

2022-2023

– First-year hardware group project

An Autonomous Robotic Assistance Vehicle designed to assist individuals with disabilities. Notable features include advanced object recognition with OpenCV, a precision robotic arm, a voice command app, PID control for stability, TensorFlow Lite for improved machine learning, custom PCB design, and proficiency in the Robot Operating System (ROS). This autonomous vehicle enhances accessibility, demonstrating a commitment to impactful technology solutions.

Technologies: Computer Vision (OpenCV), TensorFlow Lite, Voice Command Integration, PID Control, PCB Design, Robot Operating System (ROS)

My Role : precision robotic arm, voice command app, PID control, TensorFlow Lite for Computer vision

BACKEND TECHSTACKS

- Django
- .Net
- Firebase
- FastAPI

MOBILE APP DEVELOPMENT

- Native Android
- Flutter
- React Native

CLOUD TECHNOLOGIES

- AWS
- GCP

PROJECT MANAGEMENT TOOL

- Jira
- Azure

IDE's

- Visual Studio Code
- Visual Studio
- IntelliJ IDEs

VERSION CONTROLLING

- Git
- Docker

OTHER SKILLS

- Team Management
- Leadership Skills
- Communication Skills

INTERESTS

- Playing Violin
- Singing

LANGUAGE

- English
- Sinhala

REFERENCES

- MR. JANITH LIYANAGE
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eVision Microsystems
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- DR.(MS) PIYATILAKE I.T.S
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➤ BERT-based Clickbait Detection System (Ongoing)

Developed a BERT-based model to detect clickbait by classifying the relevance between topics and paragraphs. Replaced traditional TF-IDF methods with a fine-tuned BERT model, improving accuracy in binary classification.

Technologies: BERT, Hugging Face Transformers, Python, PyTorch, NLP, Data Preprocessing, PCA, Cosine Similarity

My Role: Model fine-tuning, data preprocessing, classification, and evaluation

➤ Indiretto (2022)

- Game Challenge- Rotaract Club

As a proactive contributor to the Indiretto project for the Rotaract Club, I led the development of an engaging web puzzle game. This project showcases my proficiency in web development and real-time database integration, highlighting my commitment to creative solutions and effective teamwork. The game incorporates a real-time time counter, seamlessly updating the team's progress on Firebase after the game concludes. Additionally, a dedicated instructional button enhances user experience, making gameplay intuitive and enjoyable. This project serves as a testament to my ability to deliver dynamic and interactive web solutions.

Technologies: HTML, CSS, JavaScript, Firebase

My Role :Developed a puzzle game page with a timer that starts automatically when the player begins the game and updates the completion time to Firebase

➤ Suwa Kekulu (2022)

-Child Growth Tracking Mobile App

Suwa Kekulu is a mobile app to An engaging web puzzle game developed for the Rotaract Club, highlighting commitment to creative solutions and effective teamwork. The game features a real-time time counter, progress updates on Firebase after game completion, and a dedicated instructional button for user experience enhancement.

Technologies: React Native

My Role :Added YouTube videos into the app as a video carousel

👤 VOLUNTEER & LEADERSHIP

- Mobile App Developer
- Active Membership at Rotaract Club of UOM
- Active Membership at AIESEC of UOM as CPX Specialist Active
- Membership at the Classical Music Society of UOM

🎯 ACHIEVEMENTS

- Participated in CodeSprint 7.0 (2023) (Programming Competition)
- Participated in MadHack (2023) (Mobile App Development Competition)
- Participated in ACES Coders v 10.0 (2023) Organized by University of Peradeniya | 2023
12 hours team based algorithmic coding competition
- Code Rush Organized by the University of Moratuwa | 2022 Team-based algorithmic coding competition (8th Place)
- Participated in IDIALIZE (2023) Organized by the AIESEC of the University of Moratuwa | 2024 (Mobile App Development Competition)