Samuditha Wijayasundara

Indianapolis, Indiana

Phone: +14633148967   Email: samudithawijesundara@gmail.com

Portfolio: https://samuditha-portfolio.netlify.app   GitHub: https://github.com/SamudithaD97

LinkedIn: www.linkedin.com/in/samudithadw97

EDUCATION

Master of Science in Computer Science, Indiana University, Luddy School of
Informatics, Computing, and Engineering , Indianapolis, Indiana, USA   Expected Graduation 2026

Bachelor of Science in Applied Science with Honors, University of Peradeniya,
Kandy, Sri Lanka.   2024

Bachelor of Science in Information Technology with Honors, Institute of
Information Technology, Malabe, Sri Lanka.   2023

WORK EXPERIENCE

Software Engineer
Raketman Private Limited, Colombo, Sri Lanka   August 2024 - June 2025

- Backend development with Java, ASP.NET, VB.NET, Python & Node.js; managed MySQL, MSSQL, MongoDB.
- Integrated SAP APIs, third-party apps, and payment gateways (Stripe).
- Performed web scraping with Python & Selenium; generated reports in Jasper Studio.
- Mentored junior engineers and provided team leadership.

Software Engineer
Elysian Crest Private Limited, Colombo, Sri Lanka   October 2022 – July 2024

- Developed backends with Java, Python & Node.js; managed MySQL, MSSQL, MongoDB.
- Generated reports using Jasper Studio; integrated GA4 with Looker Studio.
- Mentored junior engineers and led team initiatives.

RESEARCH EXPERIENCE

**Air quality predicting system by PM 2.5 particles from the "Purple Air" filter   2023- Present
on the university premises.**
Department of Physics, Faculty of Science, University of Peradeniya, Sri Lanka

- Collected air quality data from 10 university locations using PurpleAir Flex sensors.
- Trained data with Logistic Regression model and built prediction APIs in Python.
- Developed a React JS mobile app for real-time air quality prediction.

Optimize Banana Production through Innovative Growing System   2022-2023
Department of Information Technology, Faculty of Computing, Sri Lanka Institute   of Information
Technology, Sri Lanka.

- Collected 4,000 farmer datasets (inputs: Variety, Quantity, Time Period; output: Usage).
- Trained data using Random Forest Classifier and built prediction APIs in Python.
- Developed a React JS mobile app integrated with backend APIs

SKILLS

Programming Languages & Web Development: Java, Springboot, Python, Node.js, C++, JavaScript, C , HTML, CSS, React, | **Database Management**: MySQL, MongoDB, MSSQL | **Machine Learning** | **Cloud Technologies**: AWS, Azure | **Software Development**: Agile, Git | **Cybersecurity**: Encryption, Firewalls | **Networking** | **Operating Systems**: Linux, Windows | **Data Structures and Algorithms** | **Problem Solving and Critical Thinking** | **Object-Oriented Design** | **User Interface (UI) and User Experience (UX) Design** | **Mobile App Development**: Android, iOS | **Version Control**: Git, GitHub | **Debugging and Testing.**

EXTRA CURRICULAR ACTIVITIES

- Avenue Director, Leo Club, University of Peradeniya, Sri Lanka   2022 - 2023
- Student Representative, Computer Science Society, Department of   2021 - 2023
  Computer Science and Statistics, University of Peradeniya, Sri Lanka.
- Secretary, Tuskers Volunteer Club, Sri Lanka.   2021 - 2022
- Member, Tuskers Volunteer Club, Sri Lanka.   2017 - 2021
- Treasurer, Science Society, Bandaranayake College, Gampaha, Sri Lanka   2015 - 2016
- Member of Sri Lanka club cricket team for MSSNS U17 international Invitation   2012
  Cricket Challenge Seremban Negeri Sembilan in Malaysia.
- All island (Sri Lanka) under 13 school cricket 4th place team member (Division 1)   2010 - 2011
- All island (Sri Lanka) under 13 school cricket 4th place team member (Division 2)   2009 - 2010