DINITHI GUNAWARDENA

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SUMMARY

Final-year Computer Science student at the University of Westminster (IIT Sri Lanka) with strong foundations in AI, machine learning, and digital forensics. Skilled in applying AI-driven solutions to real-world problems, with hands-on experience in data analytics, cloud computing, and research. Proven track record of success in hackathons, internships, and academic projects. Actively seeking full-time roles in AI, Data Science, Full-Stack Development and Software Engineering.

EDUCATION

BSc (Hons) Computer Science (First Class Honours) - (2021 – 2025)
University of Westminster, UK (at IIT Sri Lanka)
Relevant Coursework: Machine Learning, Data Science, AI, Multi-Agent Systems

Visakha Vidyalaya Colombo - (2007 - 2020)
GCE Advanced Level: Mathematics (C), Physics (C), Chemistry (S)
GCE Ordinary Level: 9As (Award for Best Mathematics Results)

TECHNICAL SKILLS

Languages: Python, Java, R, SQL , HTML, JavaScript , Basic knowledge of C++ and .NET
Libraries/Frameworks: PyTorch, TensorFlow, LangGraph , LangChain
Tools & Platforms: Microsoft Azure, Google Colab, Git, Power BI,Kaggle
Areas of Expertise: Full-Stack Development, Deep Learning, Machine Learning, Audio Forensics, Generative AI, Data Analytics, Multi-Agent Systems, Speech Synthesis, Business Analytics, Project Management, Training Coordination

PROFESSIONAL EXPERIENCE

Data & AI Intern - H One Private Limited (Feb 2024 – Jun 2024)
- Developed AI-driven applications using Microsoft Azure and Copilot Studio.
- Enhanced data processing pipelines and optimized AI deployment workflows.
- Collaborated with cross-functional teams to deliver cloud-based solutions.

Data Analyst Intern - Dialog Axiata PLC (Jul 2023 – Jun 2024)
- Conducted business and product data analysis using Python and visualization tools.
- Built dashboards and reports to support data-driven decision-making.
- Delivered insights that helped improve operational efficiency.
- Managing DataScience Academy and training coordination.
- Made a copilot-based chatbot for HR queries of the company.
- Banking data analysis project involving a major bank in Sri Lanka.

SELECTED PROJECTS

WavSpoof – Partially Fake Audio Detection
- Developed a deep learning model to detect partially fake audio in speaker verification systems.
- Used MFCC, CQT, HuBERT features with LCNN and AST architectures.
- Presented research at AICCoNS 2025 (oral presentation).

IntelliPM – Multi-Agent Project Management Tool
- Designed a system to optimize project workflows using intelligent agents.
- Applied concepts from multi-agent systems and distributed AI.

Multi-Agent Stock Analysis
- Built a stock analysis system with real-time AI-driven suggestions.
- Integrated multiple supervisor agents to simulate decision-making.

ACHIEVEMENTS

- 3rd Place, Gen AI Hackathon – Hatch Works & Veracity Group
- Top 10 Finalist, Intellihack 3.0 – University of Colombo School of Computing
- Oral Presentation, AICCoNS 2025: "A Comprehensive Review on Detecting Partially Spoofed Audio"

ADDITIONAL CERTIFICATIONS & INVOLVEMENT

- CIMA (Business Level), Completed 2021
- Treasurer, IEEE WIE Affinity Group of IIT (Sep 2022 – Sep 2023)

REFERENCES

Available upon request