Nadeesha Vidyamali

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PERSONAL PROFILE

Motivated and detail-oriented AI/ML graduate with hands-on experience in deep learning, computer vision, NLP, and data analytics, seeking an internship or junior role in the UK to apply my technical expertise and contribute to innovative projects. I actively develop, test, and deploy machine learning models, leveraging frameworks such as TensorFlow, PyTorch, and Scikit-learn, and I thrive in collaborative, agile environments. My goal is to enhance real-world AI solutions, optimize data-driven processes, and continuously learn from industry professionals while delivering measurable value to the organization.

EDUCATION & QUALIFICATIONS

University of South Wales - MSc in Artificial Intelligence, Distinction   Feb 2024 – Sep 2025

Dissertation: "An Agent-to-Agent (A2A) Based Explainable AI Framework for Stock Market Descriptive Analytics" — designing a multi-agent

XAI system integrating rule-based reasoning and data visualization for interpretable stock trend analysis.

British Computer Society - BSc (Hons) Information Technology BCS Level 6 Professional Graduate Diploma in IT   Oct 2018 – Feb 2022

WORK EXPERIENCE

Database Administrator | TBWA Sri Lanka   Jan 2020 to Jan 2024

- Ensure the availability, reliability, and performance of databases supporting campaigns, media platforms, analytics, and internal systems.

- Monitor, tune, and optimize queries, indexes, and database structures to support high-traffic marketing and advertising workloads.

- Implement access controls, encryption, and security best practices to protect client and agency data and ensure compliance with privacy regulations.

- Design, implement, and regularly test backup and recovery procedures to minimize downtime and prevent data loss.

- Collaborate with developers, analysts, and creative technology teams to provide reliable data for reporting, dashboards, and campaign insights.

- Automate routine administrative tasks, maintain database documentation, and provide operational reports to improve efficiency and scalability.

Management Trainee (RPA) | Ernst & Young   Nov 2018 to Nov 2019

- Analyzed existing business workflows and operational processes to identify repetitive, rule-based tasks that could be optimized through automation.

- Assisted in the design, development, and configuration of RPA bots using leading automation tools, contributing to increased efficiency and accuracy in routine operations.

- Conducted testing and troubleshooting of automation scripts to ensure smooth execution, data integrity, and compliance with business requirements.

- Created and maintained detailed process documentation, including workflow diagrams, test results, and change logs, ensuring traceability and process transparency.

IT Executive | Health Scan Pvt Ltd.   **Nov 2017 to Sep 2018**

- Maintain and support Hospital Information Systems (HIS), billing, laboratory, and pharmacy systems, and provide day-to-day IT support to doctors, nurses, and staff.

- Manage computers, servers, printers, network devices, Wi-Fi, and related hardware to ensure continuous hospital operations.

- Protect patient data by managing user access, performing regular data backups, and ensuring the reliability and confidentiality of the system.

IT Intern | National Savings Bank   **Apr 2017 to Sep 2017**

- Designed and developed a POS issue tracking system using Java (NetBeans) and SQL.

- Built ETL pipelines using SSIS for analytics and performance reporting.

- Developed and optimized database interfaces to enhance reporting efficiency.

ADDITIONAL INFORMATION

Languages – English (fluent); Sinhala (Native)

Technical skills

- Python
- Java
- image preprocessing
- real-time recognition
- Natural Language Processing
- Machine Learning
- Deep Learning
- TensorFlow
- Numpy
- Pandas
- Analytical problem solving
- MySQL

INTERESTS

- Continuous learning and experimentation with new technologies, demonstrating initiative and adaptability.
- Planning and organising self-driven projects to meet learning goals, strengthening time management and problem-solving skills.
- Collaborative work and idea sharing on technical topics, supporting teamwork, communication, and creativity.

REFERENCES

Dr. Carl Jones | Senior Lecturer, University of South Wales

Dr. Mabrouka Abuhmida | MSc AI Course Leader University of South Wales