Pavithri Apeksha

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Date of Birth: January 3, 2001

Objective

Aspiring AI professional with a strong academic foundation in Artificial Intelligence and hands-on experience in project development. Seeking an internship to further develop my skills and contribute meaningfully to innovative projects.

Education

University of Kelaniya (Expected Graduation: 2026)
BSc Honours in Computer Science specialized in Artificial Intelligence
Relevant Coursework: Machine Learning, Natural Language Processing, Computer Vision

Skills

- Programming: Python, JavaScript, HTML/CSS, Flask, OpenCV

- Tools: Git, Streamlit, LaTeX, MongoDB, AWS (RDS, ElastiCache), Azure

- Data Analysis: ARIMA modeling, Data visualization, Pandas

- Languages: Sinhala (native), English (proficient)

Main Projects

AI-Based Water Management System (AIBWMS)
Developed a real-time water management system integrating AWS RDS, ElastiCache, and RDS Proxy. Features include:

- Dashboards for water usage, temperature, and pH monitoring.

- Prediction models using ARIMA to forecast weekly water usage.

- Database migration from CSV files to an optimized AWS RDS structure.

Visual Drag and Drop Using OpenCV
Created an interactive drag-and-drop system with OpenCV to enhance user interactivity:

- Enabled seamless object dragging and dropping on GUI interfaces.

- Designed a modular and reusable codebase.

Inventory Management System for Innovative IT Solutions
Collaborated on a group project to develop an inventory management system:

- Designed the project charter, scope statement, and risk management plan.

- Created workflows to streamline inventory tracking and reporting.

Experience

Freelance Developer (2023 - Present)

- Assisted clients with web and AI-based projects.

- Delivered quality solutions in line with project requirements.

Certifications

- Fundamentals of Azure AI Services   Microsoft Learn, 2024
- Fundamentals of Machine Learning   Microsoft Learn, 2024
- Microsoft Azure AI Fundamentals: Computer Vision   Microsoft Learn, 2024
- Fundamental AI Concepts   Microsoft Learn, 2024
- Get Started with Figma   Coursera, 2023
- Python for Beginners   Simplilearn, 2023
- HTML and CSS in Depth   Simplilearn, 2023
- Introduction to CIP   Coursera, Expected Aug 2024
- JavaScript Essentials 1   Cisco, 2023
- JavaScript Essentials 2   Cisco, 2023
- Technohacks EduTech Virtual Internship Program   Technohacks EduTech, 2023
- Web Design for Beginners   University of Moratuwa, 2023
- Responsive Web Design   FreeCodeCamp, 2023
- Introduction to Front-End Development   Coursera, 2023
- Introduction to JavaScript   SoloLearn, 2023
- Python for Beginners   University of Moratuwa, 2023
- Introduction to SQL   SoloLearn, 2023
- SQL Intermediate   SoloLearn, 2023
- HTML   SoloLearn, 2023
- Introduction to C   SoloLearn, 2023

Interests

Artificial Intelligence, Natural Language Processing, Computer Vision, and Problem Solving