DASINI NIRMANI
Intern AI/ML Engineer

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🔵 DasiniJayakody | 🔗 Dasini Jayakody | 🌐 dasini-portfolio

PROFILE

Enthusiastic Undergraduate in Computing and Information Systems with hands-on experience in software development, data analytics, and AI-based applications. Currently advancing knowledge in Python, TensorFlow, PyTorch, and Scikit-learn, with strong analytical and implementation abilities. Focused on developing scalable, data-driven solutions using modern AI frameworks.

EDUCATION

Sabaragamuwa University of Sri Lanka   Aug 2023 - Present
Bsc.(Hons) Computing & Information Systems *(UG)*

ESOFT Metro Campus   Mar 2022 – Oct 2023
Diploma in Information Technology

Aquinas College of Higher Studies   Mar 2022 – Aug 2023
Diploma in English Language & Literature

Central College, Kuliyapitiya (Physical Science Stream)   Feb 2018 – Feb 2021

PROJECTS

Intima – AI Based Sexual & Wellness Assistant (Group)   Jul 2025 – Nov 2025
Tools: OpenAI GPT, Weaviate, React Native, Expo, Django REST Framework, PostgreSQL, JWT Authentication, Docker [⦿]
- Developed an AI-powered wellness app ensuring secure and private guidance.
- Integrated GPT and Weaviate with Docker-based scalable deployment.

OratoCoach – Personal AI Public Speaking Coach (Individual)   Jul 2025
Tools: Python, OpenCV, MediaPipe, PDF Generation Libraries   [⦿]
- Created an AI coach analyzing posture and gestures for real-time feedback.
- Generated automated PDF reports to track performance improvement.

CareerPathAI – An AI-Powered Career Guidance System (Individual)   Aug 2025
Tools: Python, FastAPI, Streamlit, spaCy, scikit-learn, Sentence Transformers, Plotly, PDFMiner, python-docx   [⦿]
- Built an AI-driven system for personalized career and skill recommendations.
- Integrated NLP-based resume parsing and visualized insights via Streamlit.

COVIDScope – An Interactive COVID-19 Data Analysis Dashboard (Individual)   Aug 2025
Tools: Python, Pandas, NumPy, Streamlit, Plotly, Seaborn, Matplotlib   [⦿]
- Designed a real-time dashboard analyzing global COVID-19 data and trends.
- Applied time series modeling and created interactive visual insights.

Breast Cancer Detection Dashboard (Individual)   Sep 2025
Tools: Python, Streamlit, Scikit-learn, Pandas, NumPy   [⦿]
- Developed an ML model to classify breast tumors with probability scoring.
- Built an interactive Streamlit app for real-time predictions and visualization.

CERTIFICATIONS & COURSES

Professional Certificate in Artificial Intelligence : IIT (Reading)
AI Engineer Bootcamp (Gen AI) : STEM Link (Reading)
AI/ML Engineer – Stage 1 : SLIIT
Postman Student Expert Program : Postman
Project Planning with AI : Sololearn
H2O Generative AI Starter Track : Udemy
Data Science & Analytics : HP LIFE
Career Essentials in Software Development : Microsoft

TECHNICAL SKILLS

Programming Languages: Python
Web Development: HTML, CSS, FastAPI, Streamlit
Database Systems: MySQL, PostgreSQL
AI/Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-learn, Hugging Face, OpenCV
Data Science & Analytics: Pandas, NumPy, Matplotlib
Cloud & DevOps: Google Cloud Platform, Git, GitHub, Docker
Specializing Area (Learning): NLP, Computer Vision, Deep Learning, RAG pipelines, LangChain, LangGraph
Mathematical & Statistical Tools: Linear Algebra, Statistics, Excel, Power BI
Development Tools: Jupyter Notebook, Google Colab, VS Code

ACHIEVEMENTS

Winners (Proposal Round) – DEVthon 2.0 | Rotaract Club of University of Moratuwa | [in]	Apr 2025
Selected Team – SLIoT Challenge 2025 | University of Moratuwa | [in]	Mar 2025
Top 10 – INSL Provincial Competition 2024 | Sabaragamuwa University of Sri Lanka | [in]	Nov 2024
Top 10 Finalist – HackVenture 1.0 | AIESEC at University of Kelaniya | [in]	Oct 2024
Semi-Finalist – HackX 8.0 | University of Kelaniya | [in]	Nov 2023

LEADERSHIP & VOLUNTEERING EXPERIENCE

Public Visibility Chair – IEEE SLInspire Event (Sabaragamuwa Province)	Nov 2025
Industry Relations Portal (IRP) Coordinator – IEEE Student Branch, SUSL	Apr 2025 – Present
Student Lead Ambassador – IEEE R10 Entrepreneurship & Innovation Committee	May 2025 – Present
Secretary Team Lead – InspireIEEE Volunteer Session (IEEE Student Branch, SUSL)	May 2025
Program Team Member – IEEE JAMBOREEE 2025	Aug 2025
Volunteer Summit 2025 – STEMUp Education Foundation Summit	Mar 2025

SOFT SKILLS

- Analytical Thinking and Data Interpretation
- Collaborative Teamwork in Agile Environments
- Technical Communication and Documentation
- Project Coordination and Task Prioritization
- Innovative Solution Design

LANGUAGES

- English
- Sinhala (Native)

REFERENCES

1. **Professor S. Vasanthapriyan**
   Dean,
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2. **Dilshan Perera**
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