

# HIRUNI BANDARA

AI/ML Engineer Intern | Data Scientist | Data Science Undergraduate

## Contact

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- GitHub: <https://github.com/Ashinshani>
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## Professional Summary

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Enthusiastic and detail-oriented Data Science undergraduate at SLIIT, specializing in Machine Learning, Artificial Intelligence, and Data Analytics. Proficient in Python, Java, and SQL, with experience in data preprocessing, feature engineering, and predictive modeling. Skilled in NumPy, Pandas, Scikit-learn, TensorFlow, and data visualization. Eager to apply technical and analytical skills to AI-driven projects, contribute to data-centric innovation, and grow as a Machine Learning Engineer.

## Education

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- BSc (Hons) in Information Technology Specialization in Data Science | 2023  
(Sri Lankan Institute of Information Technology, Expected Graduation 2027)  
**GPA: 3.31**
- Advanced Level (A/L) Examination (Physical Science Stream) | 2022
- Ordinary Level (O/L) Examination (8As, 1B) | 2019

## Technical Skills

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- Programming Languages: Python, Java, HTML, CSS, SQL, HiveQL, C++, C
- Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn
- Machine Learning Models: NLP, CNN, Scikit-learn, Regression, Classification, Clustering
- Databases: MongoDB, MySQL
- Tools: VSCode, Git/GitHub, Google Colab, Jupyter Notebook
- Cloud Platforms: AWS, Azure
- Soft Skills: Analytical Thinking, Team Collaboration, Problem Solving, Communication
- Additional Skills: Data Cleaning, Model Evaluation, Feature Selection, Predictive Analytics

## Academic & Personal Projects

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### Personalized Art Generator | 2025

- Tech Stack: AI Agentic System, Streamlit, Spacy, SDXL, CLIP, GPT-2
- Developed a personalized art generator that creates images based on user styles and feedbacks iteratively
- GitHub Repository: <https://github.com/Ashinshani/Personalized-Art-Generator-.git>

## Electric Vehicle Prediction System | 2025

- Tech Stack: Regression, Classification, Time Series, Clustering
- Built a predictive model to forecast electric vehicle trends, check CAFV eligibility, and support infrastructure planning.
- GitHub Repository: <https://github.com/Ashinshani/Electric-Vehicle-Prediction-System.git>

## Speech Recognizer App | 2025

- Tech Stack: Python, PyAudio, pyttsx3, Computer vision
- Developed a real-time speech-to-text conversion app with speech synthesis, enabling navigation to recognized URLs.
- GitHub Repository: <https://github.com/Ashinshani/Speech-Recognizer-System-.git>

## Heart Disease Prediction App | 2025

- Tech Stack: Python, NumPy, Pandas, Scikit-learn
- Created a predictive model to assess heart disease risk based on medical data, integrated with a user-friendly interface using Streamlit.
- GitHub Repository: <https://github.com/Ashinshani/Heart-Disease-Prediction-App.git>

## Movie Recommendation System | 2025

- Tech Stack: Python, Data Cleaning, NumPy, Similarity Algorithms
- The system leverages content-based filtering techniques to suggest personalized movie recommendations based on user preferences.
- GitHub Repository: <https://github.com/Ashinshani/Movie-Recommendation-System.git>

## Certifications

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- AI/ML Engineer - Stage 1 and Stage 2 | SLIIT
- AI ML Projects | Simplilearn
- Mathematics for Machine Learning | Simplilearn
- Python Essentials | Cisco
- AWS Certifications | AWS Skill Builder
- Azure Certifications | Microsoft

## References

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Dr. Janaka Alawathugoda

Phone: +94 71 370 5210

Position: Senior Lecturer (Higher Grade)

SLIIT Kandy Uni

Ms. Menaka Moonamaldeniya

Email: [menaka.m@kandyuni.lk](mailto:menaka.m@kandyuni.lk)

Position: Senior Lecturer

SLIIT Kandy Uni