

THARINDU HARITH WITHANA

CONTACT DETAILS

Mobile : 0420 520 720

Email: tharinduharith.srt@gmail.com

Website:

LinkedIn: [https://www.linkedin.com/in/tharindu-harith-](https://www.linkedin.com/in/tharindu-harith-withana-97243b175)

[withana-97243b175](https://www.linkedin.com/in/tharindu-harith-withana-97243b175)

<https://thw96.github.io/>

ABOUT ME

I'm a professional with over 4 years of work experience in the data science field, currently pursuing my Master's in AI at RMIT Melbourne. I'm deeply passionate about AI/ML and eager to contribute to its advancement. Committed to staying abreast of emerging technologies, I'm poised to make meaningful contributions to any team or project and to expand my horizons as well as attain more qualifications from the experience I get.

TECHNICAL SKILLS

- Programming Languages :
 - Python
 - Java
 - Frontend basics : html/CSS
 - C / C++
 - MySQL
- Machine Learning
- NLP
- Deep Learning:Tensorflow/ PyTorch
- Image Processing
- Windows/Linux
- Tableau & PowerBI Visualization
- AWS EC2,S3,Lambda,RDS,ECR

RESEARCH INTERESTS

- Machine Learning
- Computer Vision
- AI
- NLP
- Remote Sensing

ACADEMIC BACKGROUND

RMIT - Melbourne, Australia

Masters in Artificial Intelligence 2024-2025

Commencing from March 2024

National Institute of Technology Durgapur , India

Bachelor of Technology in Computer Science and Engineering 2015-2019

- Maintained a First Class.
- Main Modules : Object Oriented Programming, Operating Systems, Data Structures, DBMS, Microprocessor, Machine Learning, Software Engineering, Algorithm Analysis and Design, Advance Graph Theory, Image Processing, Advanced Computer Architecture

D.S. Senanayake College, Colombo 7

General Certificate of Education Advanced Level 2012-2014

- Z-score 1.63 Mathematics(B), Physics(B), Chemistry(B)
- General Certificate of Education Ordinary Level 2001-2011
- A-9

WORK EXPERIENCE

AI Engineer

Omdena Top Talent : IDT (paid opportunity given by Omdena for selected collaborators)

2023 Nov - 2024 Feb

- Design Cloud architectures for various NLP and LLM projects.
- Righth Party to contact with predicting the time and day.
- Customer Segmentation for a Retail Mass business to give the business more insights.
- Brainstorm with stakeholders regarding different solutions.

Data Scientist

EngenuityAI : AI start-up in Sri Lanka

2021 July - 2024 Feb

- Applying ML modeling for real world business scenarios in finance sector and IOT.
- Visualise data with BI tools.
- Computer Vision based object detection modeling for Insurance.
- R&D projects : Satellite/LiDAR for Forestry Conservation.
- Research on how to track the forest cover using Satellites (only using open source resources).
- Leading a team of Data Scientists/Analysts.
- Directly working with stakeholders and the senior management.

Machine Learning Engineer

Omdena

Collaborative - 2020 July - 2022 Aug

Omdena is the collaborative platform consists of Data Scientists from all around the world to build innovative, ethical, and efficient AI and Data Science solutions to real-world problems.

- TrashOut Project - <https://omdena.com/blog/illegal-dumping/>
- <https://omdena.com/blog/illegal-dumping/>
- WRI Project - <https://medium.com/omdena/climate-change-visualizations-from-words-to-actionable-insights-60f9b7dcc17c>
- HRI Project - Social media scrapping and Human rights violations analysis using NLP

Jr Data Scientist

LB Finance : A leader in Finance industry in Sri Lanka

2020 Feb - 2021 July

- Managing the Data Base Management System(Snowflake/Star Scephma).
- Creating data pipelines collaborating with DE team, which are required for Data Science objectives.
- Data Visualization Dashboards using Tableau.
- Building Machine Learning Models to forecasting and analysis.

Trainee Software Developer (Internship)

HDFC Bank : Leading government bank in Sri Lanka

2018 May-July

- In charge of developing the sub-system software of the bank with ASP.Net.
- Use of C# for development in Visual Studio. And front end development using CSS. And we had a Oracle Database.

OTHER QUALIFICATIONS

- Project based training on “Core Java” in MTA India, and recognized as Microsoft Technology associate for Software Development Fundamentals
- “Deep Learning Specialization” course on Coursera
- "AI for Medical Diagnosis" course on Coursera

OTHER SKILLS

- Possess strong communication skills, adept at fostering productive dialogue within teams and with stakeholders.
- Quick learner, adept at adapting to new technologies and roles.
- Skilled in leading teams, fostering collaboration, and prioritizing collective goals.
- Excel in teamwork and collaborative work, valuing diverse perspectives.
- Embody discipline, determination, and resilience from athletic background, translating into workplace success.

REFERENCES

Will be provided upon request

PROJECTS

Remote Sensing: Carbon Tracking and Forest Monitoring

2022 Sep- Current

R&D project where we use remote sensing devices like LiDAR, Satellite images(Optical and Radar) to track and monitor forest characteristics and ML techniques to estimate the carbon stock of the forest.

FD Demand Prediction

Creating a model for Predicting the demand for FD and build live Dashboards for a Finance Institute
2020 May-October

- Data preprocessing and Warehousing ;
Extend the Data warehouse to support DS and BI. (SSMS)
- Model building and BI :
Trained a ML model to predict 12 months demand for all the branches and build Tableau Dashboards to visualize the output and also other Live Dashboards required

Human rights violations analysis using NLP

2021 May-July

Use social media data(Twitter and Reddit) scrapped to identify any Human Rights violence happening around the world and visualize on a Dashboard.

In this group project I was involved in social media data scrapping , data labeling, classification modeling using Transformers, and Database development.

ACHIEVEMENTS

Academic:

- Awarded Rajiv Gandhi Memorial Scholarship Indian Council for Cultural Relationship (ICCR) India for Sri Lankan Nationals through University Grant Commission, Sri Lanka.

Extra-Curricular:

- Member of the cricket team of NIT Durgapur, India
- Member of the Eastern Music Orchestra of D.S. Senanayake College, Colombo
- Member of the Aeronautics Club of D.S. Senanayake College, Colombo
- Completed Instrumental(violin) till class “Prathama” in “Bhatkhande Sangit Vidyapith”, India
- Completed Instrumental(Piano) and Theory of Western Music till Grade VIII of IWMS, Sri Lanka
- Member of the Swimming Team of D.S. Senanayake College, Colombo