ANUDA ESARITH

About Me

As an undergraduate with a passion for technology and building full-scale applications, I've dedicated myself to continuous learning and exploration. I have experience with machine learning and data engineering, and I love delving into various technologies to create meaningful projects. I'm particularly interested in contributing to the development of production-level applications. In addition to my technical pursuits, I enjoy video gaming as a hobby.

Key Courses

Machine Learning Engineering for Production (MLOps) - Specialization
DeepLearning.ai

TensorFlow: Advanced Techniques - Specialization
DeepLearning.ai

Google Advanced Data Analytics - Professional
Google

IBM Data Engineering - Professional
IBM.

Digital Signal Processing (DSP) From Ground Up™ in Python
Udemy

Building Recommender Systems with Machine Learning and AI
Linekdin Learing

Links

Linkedin   Anuda Esarith

GitHub   ANEASER

Contact

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Education

Univeristy of Colombo School of Computing Jun 2022 - Oct 2024	**Undergraduate** Information Systems undergraduate
Dharmaraja College, Kandy Jul 2016 - Sep 2018	**Advanced level Physical Science Stream** Passed Advanced Level with two B passes and 1 C pass

Skills

Data Science & Engineering
- Machine Learning ,Deep Learning
- Hadoop, Airflow, Kafka, Cassandra, Spark
- Recommendation Systems
- LLM Applications
- MLOps
- Time Series Analysis
- Signal Analysis , Audio Analysis
- Computer Vision
- Data Analysis (NumPy, Pandas, PySpark, PowerBI)
- Generative AI Applications

Web Development & Cloud Computing
- Java Spring boot
- Flask , Fast API
- Java Script , Type Scripts
- PHP
- MongoDB , Cassandra ,PostgreSQL
- React , ExpressJS , NodeJS
- Google Cloud (BigQuery , Bucket, Looker , VM , VertexAI, Workbench).
- Azure (Data Bricks, Data Factory)
- AWS (EC2 , S3 Bucket)
- Docker

Key Projects

Bank Churn - Google Cloud Platform
Give visual insights and make predictions for churn using Google Bucket, Compute Engine, Vertex AI, BigQuery, Looker, and Mage Api for the ETL pipeline.

Weather Forecasting - MLOps
This project focused on putting multiple models together and running them simultaneously with multithreading and transformation pipelines. Automate the whole pipeline and schedule training.

Brain Tumor Identification - PyTorch
This was developed as a self-learning project. The PyTorch framework is used here to develop an image classification model to identify brain tumors.

Time Series Analyzer Test App - Data Engineering
a customizable data generator to test real-time analyzers. Zookeeper, Kafka, and Airflow are applied in the pipeline, along with a Python FastAPI application. The Docker configuration is included in docker.yml.

Disaster Tweets classification -NLU
used BERT encoders for word embedding and supported vector machines for classification.

CareerCraftAI - (Group)
Developed generative AI voice agentic software for career development includes recommendations, job research, mock interview bots, personal voice career coaches, agentic voice help desks, and generative UIs.

Hackathons and Competitions

IntellihackNextGen - 1st Runner Up
A Data Science and Machine Learning Hackathon organized by the University of Colombo School of Computing archived 2nd place for a GenAI full-scale application.

MiniHackathon 2023 (Inter University Data Science Hackathon)- Finalist
Team DataMites made it to finals in Inter university Data Science hackathon organized by Stats circle of University of Colombo.

DataStorm 5.0 - Finalist
Data Science hackathon organized by University of Moratuwa made it to top 5 from over 60 teams.

Predicta 1.0
Participated in the Data Science hackathon organized by the University of Peradeniya.

SLITT Codefest Datathon 2022 & 2023
A machine learning hackathon organized annually by SLITT. Participated and Successfully Submitted the first round.

IEEE Extreme 17
24 hour Secured 58th position in Sri Lanka and 771st position globally among 7000+ teams.

Aces Coders 2022
12 hour Competitive programming competition organized by University of Peradeniya participated and Secured 42 place over 100 teams.