



NIRODYA PUSSADENIYA

COMPUTER ENGINEERING UNDERGRADUATE

I'm a third-year undergraduate who is energetic and eager to learn new skills. I have a kickstart background in the field of Artificial Intelligence by engaging in many real-world projects. Possess an unbridled passion for AI with comprehensive knowledge of machine learning concepts and other related technologies.

+94 704575691
ryanpussadeniya@gmail.com
No 33/5, Beragala road, Kegalle
linkedin.com/in/nirodyap
https://github.com/Pusse-01
https://pusse-01.github.io/Nirody-Pussadeniya/
https://medium.com/@Nirody_Pussadeniya

AREAS OF EXPERTISE

Machine Learning Computer Vision NLP
Software Development Deep Learning

TECHNICAL SKILLS

Python Flask C++ Tensorflow
Keras Pytorch OpenCV React Js
Node Js Flutter Streamlit Express
MongoDb Docker

AWARDS

BEST EMPLOYABILITY SKILLS ACHIEVER

Faculty of Engineering University of Sri Jayewardenepura
2 nd Runner up

CERTIFICATES

High Distinction Certificate

Sri Lankan Mathematics Olympiad Competition.
(2014, 2016, 2017)

TensorFlow Developer Professional Certificate

Deeplearning.AI

Machine Learning

Stanford University

Convolutional Neural Networks

Deeplearning.AI

Natural Language Processing

Deeplearning.AI

Sequences, Time Series and Prediction

Deeplearning.AI

EXPERIENCE

Trainee Machine Learning Engineer

2021 October – Present (Part Time)

Kainovation Technologies

- Design, Tested and Deployed ML models to various applications mostly used in finance sector and medical sector.
- Developed 6 POCs and prototypes to impress the clients (US based) to get the projects for the company.
- Developed data pipelines using socket programming and Kafka servers to optimize the data transmission.

Trainee Artificial Intelligence Engineer

2021 May – 2022 January (Part Time)

EchonLabs Private Limited

- Developed models to extract information through NIC's to power up eKYC concepts in Finance Companies.
- Design, Tested and Deployed Artificial Intelligence models to the product AI-CORE which helps in Finance sector.
- Contributed to the research paper which is published by company, "A Review on ID Card Verification using Artificial Intelligence"

EDUCATION

BSc Engineering(Hons)

University of Sri Jayewardenepura

2019 – Present

Current GPA: 3.30

Kingswood College Kandy

2010 – 2018

GCE Advanced Level Examination

GCE Ordinary Level Examination

A & 2Bs in Maths stream

9 A's

EXTRA CURRICULAR ACTIVITIES

COMPETITIONS & HACKATHONS

- **Team Blazers:** Finalist in TadHack Sri Lanka 2022 (Individual)
- **Finalist in CS | INSL Competition 2022 (Individual)**
- **Team Blazers:** (Team Lead) Finalists in Thinkwave 4.0 organized by AIESEC in UOM 2022
- **Team Blazers:** (Team Lead) Finalists and the Most Popular Idea in 'INTELLIHACK2' organized by IEEE CS Student Branch Chapter of UCSC
- **Top 10 in INTELLIHACK MASTER Machine learning hackathon (Individual)**
- **Team Blazers:** (Team Lead) Semi-Finalists in Thinkwave 3.0 organized by AIESEC in UOM 2021
- **Team CND:** Finalists in Real Hack 3.0 organized by UOK

SOCIETIES

- **IT Manager of SEDS Sri Lanka Aeronautical Division 2021/22**
- **President of Aeronautical Society of Kingswood College 2017/18**
- **President of Junior Student's Counseling Unit of Kingswood College 2012/13**

FOOTBALL

- **Champions of 'Futsal All Island Soccer Carnival 2012'**
- **Champions of 'Kandy District Inter School Football Tournament' for 2013, 2014 & 2015.**
- **Kingswood College Colors award winner for 2012, 2013, 2014 and 2015.**

SOFT SKILLS

- Problem solving
- Critical thinking
- Communication skills
- Interpersonal skills
- Presentation skills

INTERESTS

Chess

Aeronautics

Robotics

PROJECTS

- **Project Carrie** – (Ongoing) Conversational AI helps in mental health.
Technologies: Pytorch, Haystack, AWS
- **PROJECT** – Project management platform which helps for small organizations.
Technologies: MERN stack
- **Safe School Van App** – Mobile application which helps parents to track their child's school van journey.
Technologies: **Flutter**
- **Depression detection app:** AI models to detect depression using person's face emotions, voice patterns and their speech.
Technologies: Tensorflow, OpenCV, NLP, Keras
- **Project Blazers** – Defect detection system of Printed Circuit boards by visual inspection using AI
Technologies: Tensorflow, OpenCV, Python, Streamlit
- **Question-answering-model-with-text-comparision-** Q&A model for Detecting Parkinson's Disease of Children. The most significant character of this model is all those inputs and outputs can be given in Sinhala.
Technologies: HuggingFace transformers, Pytorch, Python
- **Child's drawing evaluation using AI:** AI models to evaluate child's drawing with compared to a given source file.
Technologies: Tensorflow, Streamlit, Keras
- **KSN:** A LinkedIn like social network platform for kids to showcase their talent with AI based authentication and content (text) monitoring system.
Technologies: Tensorflow, Keras, MERN Stack
- **Attendance marking system using face recognition** – An automated attendance marking system by face recognition using computer vision and machine learning techniques
Technologies: Tensorflow, OpenCV, Flask

REFEREES

Dr. Randima Dinalankara

Head of the Department,
Department of Computer Engineering,
Faculty of Engineering,
University of Sri Jayewardenepura
randima@sjp.ac.lk
+94 77 985 091

Dr. Udaya Wijenayake

Senior Lecturer,
Department of Computer Engineering,
Faculty of Engineering,
University of Sri Jayewardenepura
udayaw@sjp.ac.lk
+94 76 465 5928