NIRODYA PUSSADENIYA

COMPUTER ENGINEERING UNDERGRADUATE

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

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🌐 https://github.com/Pusse-01

AREAS OF EXPERTISE

Machine Learning   Computer Vision

Software Development   Deep Learning

NLP

TECHNICAL SKILLS

Python   C++   JavaScript   Flutter

TensorFlow   Keras   OpenCV   PyTorch

MongoDB   React   NodeJs   Express

Streamlit   Flask

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

Introduction to Machine Learning
Duke University

EXPERIENCE

Junior Machine Learning Engineer
2022 February – Present   (Project basis)
Omdena

Trainee Machine Learning Engineer
2021 October – Present   (Part Time)
Kainovation Technologies

Trainee Artificial Intelligence Engineer
2021 May – 2022 January   (Part Time)
EchonLabs Private Limited

EDUCATION

BSc Engineering(Hons) at University of Sri Jayewardenepura
2019 – Present   Current GPA: 3.54

Kingswood College Kandy
2010 – 2018

GCE Advanced Level Examination	A & 2Bs in Maths stream
GCE Ordinary Level Examination	9 A's

PROJECTS

➢ **PROJECT –** Project management platform which helps for small organizations.
Technologies**:** MERN stack

➢ **Study Guider** (Ongoing) **–** Mobile application which helps students to make study plans and track their progress working.
Technologies**: Flutter**

SOFT SKILLS

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

EXTRA CURRICULAR ACTIVITIES

COMPETIONS & HACKATHONS

- **Team Blazers:** Finalists and the Most Popular Idea in 'INTELLIHACK2' organized by IEEE CS Student Branch Chapter of UCSC
- Selected to the **Top 10** in **INTELLIHACK MASTER Machine learning hackathon**
- **Team Blazers:** Semi-Finalists in Thinkwave 3.0 organized by AIESEC in UOM
- **Team CND:** Finalists in Real Hack 3.0 organized by UOK
- Participated in **IEEEXTREAM 15.0**
- Participated in **Hacktitude 2022** organized by **99X**

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 Colleg**e 2012/13

FOOTBALL

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

PROJECTS

- Project **Blazers** (Ongoing) – Defect detection system of Printed Circuit boards by visual inspection using AI
  Technologies: Tensorflow, OpenCV, Python, Streamlit

- **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

- **Question-answering-model-with-text-comparision-** Done the machine learning part of the project of Detecting Parkinson's Disease for Children. When the user enters the text and related questions, then the model predicts the answers for the questions from the text and compares them with the child's answers. If those answers which has been predicted by the model and the answer given by the child are similar, then the model detects the child is safe. The most significant character of this model is all those inputs and outputs can be given in Sinhala.
  Technologies: HuggingFace transformers, Pytorch, Python

- **Face mask detection:** A real time application which can detect whether the person is wearing a face mask or not.
  Technologies**:** Tensorflow, OpenCV

INTERESTS

Artificial Intelligence	Computer Vision	Aviation