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.

📞 +94 704575691
✉ ryanpussadeniya@gmail.com
📍 No 33/5, North circular road, Beragala road, Kegalle

🌐 https://pusse-01.github.io/Nirodya-Pussadeniya/
in linkedin.com/in/nirodya-pussadeniya-81091a199
💻 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

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-** 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

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

- **Depression detection app:** AI models to detect depression using person's face emotions, voice patterns and their speech.
  Technologies**:** Tensorflow, OpenCV, NLP**,** Keras

- **Child's drawing evaluation using AI:** AI models to evaluate child's drawing with compared to a given source file.
  Technologies**:** Tensorflow, Streamlit, Keras

INTERESTS

| Artificial Intelligence | Computer Vision | Aviation |