

EDUCATION

Data Science Program	<b>Applied AI Course</b> Data science ,Machine Learning and Deep Learning	2019-2020
BTech	<b>Computer Science and Engineering, Cochin University (CUSAT)</b>	2015-2019
Online Learning	Fast.ai, SQL for Data Science, Python for Machine Learning Bootcamp and Machine Learning for production (MLOps)	

EXPERIENCE

Data Scientist	<b>Apes AI</b> , Kochi	September 2020 – Present
<ul style="list-style-type: none"><li>• Pythonic data cleaning with Numpy and Pandas.</li><li>• Developed and deployed traffic signs and shop names detection using yolov5.</li><li>• Shop names were extracted using object character recognition.</li><li>• Working with time series forecasting using LSTM models.</li><li>• Implemented blood bank inventory demand prediction and forecasting using LSTM model.</li></ul>		

PROJECTS

Traffic Sign and Shop Name Detection Using YOLOv5 and OCR

- Built an E2E object detection system using PyTorch, Tensorflow and OpenCV and deployed using AWS.
  - Implemented object detection on both 360° and 180 images using YOLOv5.
  - From the detected shop name bounding boxes , use OCR to text extraction.
- Tools Used:** Python, Tensorflow, OpenCV, OCR, Flask, S3 Bucket, PostgreSQL ,EC2 instance and Sagemaker

Reducing Commercial Aviation Fatalities

- Want to predict the cognitive state of a pilot using physiological data.
  - Feature engineered using biosppy module and EEG electrode data.
- Tools Used:** Python, LightGBM, Scikit-learn, Biosppy and Google Cloud Platform

Cotton Disease Prediction

- Built an image classification system that can predict diseased cotton leaves/plants.
  - Model was trained using a transfer learning technique.
- Tools Used:** Python, Html, Flask, Heroku and Inceptionv3

SKILLS

- **Programming Languages:** Python, SQL
- **Data Science:** Data Science, Machine Learning, Deep Learning, NLP, pandas Tensorflow, Keras, Computer vision, NumPy, Matplotlib, Seaborn and Scikit-learn

VOLUNTEERING

• <b>Organizer</b>	<b>Sargam</b> , University Arts fest, CUSAT	2018
• <b>Organizer</b>	<b>Vipanchika</b> , Arts fest School of Engineering, CUSAT	2018