

Roby Jacob

I am an AI enthusiast who loves to work with smart people and solve problems for the good of society.

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EDUCATION

Federal Institute of Science and Technology, Angamaly, Kerala — *B.tech*

AUG 2016 - AUG 2020

B.Tech in Computer Science & Engineering

M.E.S Indian School, Doha, Qatar — *XII*

FEB 2015 - MAR 2016

Science stream with informatics practices

PROJECTS

RISC processor model

Designed a RISC processor model as part of a design project. Implemented different modules of an arm processor using Xilinx ISE software.

Water pollution detection stick

Designed a water pollution detection component that detects and records different water quality parameters which is then passed to an android application that proposes a solution and displays the results

Implement Resnet-50

Implemented Resnet-50 convolutional neural network from scratch using tensorflow.

Multiclass object detection using YOLO-v3

Developed a multiclass object detection system using a pre-trained YOLO-v3 model.

Human-vs-Horse classifier

Developed a deep neural network classifier for a CGI generated dataset.

Jazz music generator

Developed a jazz music composer using LSTM

Character level language model

Developed a character level language model for predicting Dinosaur

SKILLS & Programming Languages

Python

Java

C/C++

JavaScript

HTML

CSS

React.js

Algorithms & Data structures

Object Oriented Programming

Git

Linux

SQL

Flask

Latex

FPGA

Xilinx ISE

AWARDS & Certifications

Programming, data structures & algorithms using Python, NPTEL

Machine Learning (Audit), Coursera.

Architecting with Google compute engine, Coursera & Google cloud training

Building conversational

names using both simple RNN and LSTM.

experiences using dialog flow, Coursera & Google cloud training.

Data Scientist (Skills test), Workera.ai

Deep Learning, Coursera & deeplearning.ai

Introduction to Tensorflow for AI, machine learning and deep learning, Coursera & deeplearning.ai

Python for data science, Dataquest

Software engineering virtual experience, JPMorgan Chase & Co.

LANGUAGES

English, Malayalam