Tom Toby
Wireless Communications Engineer

Wireless Communications Engineer with strong background in Wireless Networks and Communication, Physics, Big Data Analytics and AI.
3+ year experience in Python, AI, ML, R and Hadoop programming.

Work experience

From Oct. 2019 to Apr. 2020

Data Analyst under Artificial Intelligence Project / National Institute of Electronics and Information Technology Calicut, India

Faculty Member of Artificial Intelligence course consisting of Deep Learning, NLP and Reinforcement Learning
Support in practical sessions of AI and Big Data Courses and lab maintenance.
Assist in development and deployment of Examination registration Web servers, related analytics and programming.

From Oct. 2017 to Mar. 2018

Project Assistant under Big Data Project / National Institute of Electronics and Information Technology Calicut, India

Faculty member of '**O Level**' courses.
Offered software support and training in Big data software lab.
Support in development of Examination processing software.
Provide support and guidance to projects based on Big data.

Education

Since Aug. 2020

MTech : Wireless Networks And Applications / Amrita Vishwa Vidyapeetham Kollam
Roll No: AM.EN.P2WNA20013

From Mar. 2017 to Jun. 2017

Advanced Diploma : Big Data Analytics / National Institute of Electronics and Information Technology Calicut
Marks Percentage :88%   **Grade** : A

From Aug. 2014 to Mar. 2016

Master of Science : Physics / St. Berchman's Autonomous College Changanassery
Specialization : Electronics   **GPA** :3.42/4   **Marks Percentage** :85.5%

From July 2011 to Mar. 2014

Bachelor of Science : Physics / St. Berchman's College Changanassery
GPA :3.62/4   **Marks Percentage** :90.5%

From July 2011 to Mar. 2014

Diploma : Value Education / St. Berchman's College Changanassery
First Rank

✉ tomtoby1994@gmail.com

📍 Arathil House, Koovappally P.O., Kanjirappally Kottayam District, Kerala State, India 686518

📅 Date of birth 01/02/1994

📞 9744441370

Languages

English

Listening : 8.5
Reading : 8
Writing : 6.5
Speaking : 7
› IELTS : 7.5/9

Malayalam

Hindi

in @tomtoby1994

@TOM-TOBY

Research & Publications

[b]IEEE: Prediction of Remaining Useful Lifetime (RUL) of Turbofan Engine using Machine Learning
[/b]A comparative study of existing set of machine learning algorithms to predict the Remaining Useful Lifetime of aircraft's turbo fan engine
The study was conducted using different ML algorithms implemented using R and H2O programming.
https://ieeexplore.ieee.org/document/8326010

IEEE: Person re-identification through face detection from videos using Deep Learning
This paper discusses a method for person re-identification from the videos collected from surveillance cameras using deep learning.
The study was conducted using Deep learning in Tensorflow using Keras in Python.
https://ieeexplore.ieee.org/document/9117938

M.Sc. Dissertation in Nano Science and Technology, 'Synthesis and Analysis of Ferrous Doped Cadmium Sulphide (CdS-Fe)'.

Certifications

The Introduction to Quantum Computing
Issuing authority: Saint-Petersburg State University
https://www.coursera.org/account/accomplishments/verify/YMW3TMSTXJNC

Certified Blockchain Associate
Issuing authority: Kerala Blockchain Academy
https://verify.kba.ai/view/IIITMK-KBA-07062-CBA-OL-20_c9ffe8604af0ab5951ef6d14f823c106

Google Analytics for Beginners
Issuing authority: Google Analytics Academy
https://analytics.google.com/analytics/academy/certificate/RrWkJY27TVy9Suu5OEDibQ

Computer skills

Python

C

Deep Learning & ML

Matlab

Kicad

R

Linux

Hadoop

C++

MySQL

Java

Hadoop sub-projects: Spark, Flume, HBase, Pig, Hive

H2O

Ruby

Julia