CONTACT

vigneshwarenceo@gmail.com

+91 9003039814 (Chennai, India)

SKILLS

- Proficient in Python
- Familiar with C++,C
- Anaconda/ Visual Studio/ Git (version control)
- AI/ML/Computer Vision Algorithms
- Tensorflow, scikit-learn, OpenCV
- Familiar with Google GCP, Nimbix, Amazon AWS Cloud platforms
- IoT and Embedded Systems Programming and Architecture
- Familiar with OS, processor families and other embedded hardwares available on market and its licensing

ONLINE CERTIFIED COURSES

- ARCHITECTING SMART IOT DEVICES | EIT DIGITAL | COURSERA
- ARTIFICIAL INTELLIGENCE A-Z™: LEARN HOW TO BUILD AN AI| UDEMY
- Autonomous Cars: Deep Learning and Computer Vision in Python | UDEMY

VIGNESHWAREN SUNDER

(DOB:07/09/1999)

Final Year Student @ UNNC

Motivated student currently working towards degree in Mechatronic Engineering. Adept at prepping resources, equipment and materials for research. Extensive background in investigating AI, Iot and software systems. Seeking to contribute for real world software developments. Actively looking for Full time/Internship oppurtunities.

EDUCATION

UNIVERSITY OF NOTTINGHAM (NINGBO CHINA CAMPUS)

BE Hons in Mechatronics

Sept, 2017 – Present (Expected Graduation in June 2020)

- Current GPA: 2:1 UK grade (3.55/4.0 GPA)
- Head's Scholarship for academic excellence in class 2018-19 (Top 5 in class out of ~30)

ST. MARY'S ANGLO INDIAN HIGHER SECONDARY SCHOOL

June 2006 – May 2017

- Secured 90% in HSC(12th std) and 94% in SSLC (10th Std)
- School Secretory, Debate speaker, High Achiever's Award winner.

WORK EXPERIENCE

SUMMER RESEARCH ASSISTANT | UNIVERSITY OF NOTTINGHAM CHINA

June 2019–Sept 2019

- Development of AI accelerated FPGA for self-driving vehicles using object detection and lane detection algorithm using Xilinx AI SDK and Xilinx ZCU102 DevKit.
- Audited Advance VLSI Design summer course at UNNC to aid for my research.
- Gathered and trained datasets for Yolo-darknet framework

- How Google Does ML - Coursera

INDEPENDENT PROJECTS

- Developed various tiny IoT projects using Arduino: automatic attendance register, door unlocker, electricity switcher and measurement etc.,
- Python Chatbot and website bookmarker/opener
- IoT system for assistance in autonomous landing of aircraft. Integration of encrypted algorithm using FreeRTOS and storing data into a cloud server- Coursera Capstone Project

LANGUAGES

- Tamil, English, French, Hindi

HOBBIES:

Cricket, Chess, Volleyball, Music, Thriller movies and loves ML memes.

LINKEDIN:

(Visit LinkedIn profile to know about completed modules, courseworks and projects at university)
https://www.linkedin.com/in/vigneshwaren-sunder-a78a96182/

GITHUB:

https://github.com/vicky-ml

YOUNG INNVOATOR | INTERNATIONAL CONNECTORS, USA

Feb 2019–April 2019

Co-Created the 'Future of Work' for Microsoft company through an online platform. The project was about developing innovative ideas and technologies that would enable an encouraging and distinct environment for the employees.

R&D INTERN | INFINITE ENGINEERS, CHENNAI, INDIA

June 2018–Sept 2018

- Collaborated with research and development team to design and developed study materials for school students on the topic AI and IOT.
- Managed and conducted seminars and workshops to schools about Science and Technology.
- Developed various Arduino projects with tutorials and contributed for school students.

Current Final Year Project:

Demo of AI Vision for autonomous vehicles. Includes simulation of Yolo Object Detection, Lane Detection on CPU+GPU. A broad case study on integrating AI computer vision algorithms on FPGA based systems. Demonstration of various AI Vision algorithms on XILINX ALVEO U200 FPGA on a HPC cloud based platform.

OTHER SKILLS:

Fast Learner, Self-Driven, Good at finishing tasks as a team before deadline and Innovative Smart Technology Enthusiast