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EDUCATION

BITS PILANI

BE IN ELECTRICAL AND

ELECTRONICS

Expected May 2021 | Goa, India

CGPA: 8.35/10

DELHI PUBLIC SCHOOL

HIGHER SECONDARY SCHOOL

CERTIFICATE EXAMINATION

Grad. March 2017 | Kolkata, India

Percentage: 94.6%

ANAND NIKETAN SCHOOL

SECONDARY SCHOOL CERTIFICATE

EXAMINATION

Grad. March 2015 | Gujarat, India

Score: 484/500 (96.8%)

LINKS

Github:// **Oytrik**

LinkedIn:// **Oytrik Das**

COURSEWORK

ON CAMPUS

Computer Programming

Digital Design

Probability and Statistics

Microprocessor Programming and

Interfacing

Control Systems

ONLINE

Machine Learning, Stanford University
(Coursera)

Neural Networks and Deep Learning

(Coursera) - **Certificate**

Improving Deep Neural

Networks(Coursera) - **Certificate**

Structuring Machine Learning

Projects(Coursera) - **Certificate**

Convolutional Neural

Networks(Coursera) - **Certificate**

SKILLS

PROGRAMMING

Over 5000 lines:

C • C++ • Python

Over 2000 lines:

Java • ArduinoIDE • HTML • CSS

Familiar:

Q Basics • MySQL • Shell • Matlab •

JavaScript

PROJECTS

2048 GAME | PYTHON

December 2017 | Goa, India

- Pygame implementation of the 2048 game.
- <https://github.com/Oytrik/Mini-Project-2048>

ARMBOT | ARDUINO IDE

April 2018 | Goa, India

- A robot to imitate the motion of your arm using mpu6050 and arduino uno.

MODULAR ROBOT | ARDUINO IDE

October 2017 – Present | Goa, India

- A long term group project involving several independent modules which can communicate with each other and can combine together to do some specific task.
- Structure 3D printed in Sandbox, BITS Goa's Fabrication laboratory .

GLMC LIBRARY | C

October 2018 – January 2019 | Goa, India

- Linear Algebra Library for OpenGL in C
- The header functions are coded in C and most of them are hard coded to improve efficiency and reduce operation time. There are various functions that operate upon 2x2, 3x3, 4x4 column major vectors and matrices. There is also implementation for scaling, rotation, translation of matrices.

SWARM ROBOTICS | PYTHON AND WEBOTS

May 2019 – Present | Kolkata, India

- This project was done as a part of Practice School 1 at the Variable Energy Cyclotron Center (VECC), Department of Atomic Energy (DAE) - Kolkata.
- The aim was to solve the coverage problem of a non convex surrounding using swarm of e-pucks. Use of Reinforcement Learning at later stages.

PRACTICE SCHOOL DIARY | HTML, CSS, JAVASCRIPT AND PYTHON (DJANGO)

February 2019 – Present | Goa, India

- Building a website where students can record the activities done in Practice School.
- Online database system to store the information instead of a hand written diary.
- https://ps-diary.x.codeargo.com/dev_page/

MISCELLANEOUS

LANGUAGES SPOKEN

- English
- Hindi
- English

INTERESTS

- Football
- Music
- Robotics
- Competitive Coding