Nived Narayanan

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY,MADRAS
B.TECH IN ENGINEERING PHYSICS
Expected 2018 | Chennai,India
CGPA:8.3

VIJAYAGIRI PUBLIC SCHOOL
12TH CBSE
Kerala,India | Score:97%
School 3rd

TECHNICAL HIGHER SECONDARY SCHOOL
10TH
Kerala,India | CGPA:10
School Topper

LINKS

GITHUB: nivedn3
BLOG: nivedn3

COURSEWORK

- Linear Algebra
- Probability
- Machine Learning
- Reinforcement Learning*
- Data Structures and Algorithms
- Digital Signal Processing
- Computational Engineering

SKILLS

Python • Octave • C • C++ • MySQL
Shell • Java • Arduino
Tools and Frameworks
Git • Django • Scrapy • WEKA • Wireshark

POSITION OF RESPONSIBILITY

- Robotics Workshop Coordinator at Shaastra 2016.
- Web Operations Coordinator at International Alumni Relations
- Electronics club Coordinator at Center For Innovation, IIT Madras.

HOBBIES

Competitive programming • Playing Badminton,Chess and Counterstrike

EXPERIENCE

DUTA | INTERN EMPLOYEE

May 2016–July 2016 | Chennai,India

- After Whatsapp introduced end to end encryption Yowsup,an open source whatsapp library had performance issues.
- Developed a python whatsapp library considering whatsapp end to end encryption.

FLASHFETCH | BACKEND DEVELOPER

November 2015 - May 2016 | Chennai,India

- Developed an e-commerce application which uses Django framework as backend for hyper local marketing.

PROJECTS

SMART-SCREENS | C++ APP
Controlling laptop basic operations of a mouse like clicking and dragging with the use of gestures.Developed in C++ with OpenCV.

WIRELESS ROBOTIC ARM | ARDUINO | GITHUB
Developed a robotic arm which can be controlled remotely using flex sensors on gloves. Used Xbees for wireless communication and Arduino microprocessor.

INTEREST CARDS | DJANGO APP | GITHUB
Android app which provides the dynamic feeds based on the user's emotion captured by the front camera.

GESTURE DIGIT RECOGNITION | GITHUB
Predicts the digit based on the user's gesture using kinect. Trained using the MNIST dataset with neural network.

MOCC PROJECT,IMS | PYTHON | GITHUB | BLOG
Part of planning section of Italian Mars Society MOCC project. The project aims to make a system to plan the operations conducted in ERAS and to ensure proper execution. Contributed in making python GUI for PLEXIL.

ACHIEVEMENTS AND AWARDS

- Placed in top 0.01% at national level in JEE Mains 2014 at both streams, B Tech and B Arch, in which about 14 lakh people participated.
- Recipient of INSPIRE scholarship by CBSE awarded for the top 1% students in the country.
- Finalist for Microsoft Code fun do hackathon (Interest cards).
- 3/30+teams in Reverse coding Shaastra
- Top 100/120,000 in KEAM
- Top 2500/100,000 in JEE Advanced
- 3/30+ teams in Shaastra counterstrike gaming contest