

# 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 the introduction of Whatsapp end to end encryption yowsup,an open source python library had performance issues.
- I developed a reliable whatsapp robot considering whatsapp end to end encryption and without the use of emulators.

### FLASHFETCH | BACKEND DEVELOPER

November 2015 - May 2016 | Chennai,India

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

## PROJECTS

### SMART-SCREENS | C++ APP

Controlling 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 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 a 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 10 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