

# Vennapusa Indrahas reddy

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## Education:

**2019–2020** Second year Dual Degree *Electrical Engineering*, **Indian Institute of Technology, Bombay**, CPI – 9.29/10.0.( upto second semester ) *with minor in CSE.*

## Scholastic Achievements :

- *2020 AA grade in 6 courses, 3 in first semester and 3 in second semester.*
- *2020 Department position in academics - 7th out of over 70 students*
- *2019 Secured All India Rank 541 in JEE Advanced among 0.16 million contesting candidates.*
- *2019 Obtained 99.946 percentile in JEE Main. among 1.0 million candidates.*
- *2016 Top 10 scorer in 48th National Mathematics Talent Contest.*
- *2016 Secured All India Rank 156 in KWEST Math Olympiad*
- *2015 Secured State rank 131 and International rank 1537 in International Olympiad of Maths.*
- *2015 Achieved National rank - 741 in Unified Cyber Olympiad.*
- *2014 Achieved National rank - 1712 in Unified International English Olympiad.*

## Projects:

### Machine Learning

- **Boardgame review prediction.**
  - *Created a Linear regression model and random forest regressor model to predict the reviews for a board game.*
  - *Both these model has predicted the reviews with more than 90% accuracy.*

### Machine Learning

- **Credit card fraud detection.**
  - *Built an Isolation forest model to predict whether the credit card transaction is genuine or fraudulent.*
  - *The accuracy score of this model is 99.75%*

## Machine Learning

- **Breast Cancer Detection.**
  - *Developed an Support Vector Machine model for detecting whether the person has Breast Cancer or not.*
  - *This model scored 0.95 with F1 score metrics.*

## Databases

- **Artist and venue booking site.**
  - *Programmed the client and the server end of a booking site using flask.*
  - *The application connects to a remote postgres backed database server*

## Web Dev

- **API development and documentation.**
  - *Used Flask backed server to build a trivia API.*
  - *Designed the database schema from scratch and used postgresql as backend database*

## Web Dev

- **Digitally enabled cafe.**
  - *This project is implemented using Flask.*
  - *Display graphics representing the ratios of ingredients in each drink and allow public users to view drink names and graphics.*
  - *Allow the shop managers to create new drinks and edit existing drinks.*

## Web Dev

- **Deployment of Flask app to kubernetes.**
  - *Implemented a Dockerfile for a simple Flask API*
  - *Built and tested the container locally and created an EKS cluster*
  - *Created a CodePipeline pipeline triggered by GitHub checkins*
  - *Create a CodeBuild stage which will build, test, and deploy your code.*

## Web Dev

- **Casting agency app**
  - *This project is implemented using postures as database and Flask as the backend*

- *This app supports a basic casting agency by allowing users to query the database for movies and actors.*
- *There are three different user roles (and related permissions), which are:*
  - *Casting agent: Can view actors and movies.*
  - *Casting director: Can view, add, modify, or delete actors; can view and modify movies.*
  - *Executive producer: Can view, add, modify, or delete actors and movies*

### **Web Dev**

- ***Social media Web App in Django.***
  - *Created a social media web application in Django.*
  - *In this application you can post a message, vote a message and form a group with people of alike interests*
  - *Implemented user-authentication features (login, logout, register) from scratch*

### **Skills & Interests:**

- ***General*** :Databases, Machine Learning,Deep Learning
- ***Languages***: Python, C/C++, Java, R programming, HTML, CSS, JavaScript, AngularJS
- ***Development***: Web Development (Django and Flask), Android App Development
- ***Tools***: MATLAB and Simulink, GNU Octave, Docker hub, AutoCAD

### **Other Academic Achievements :**

- ***2019 All India Rank 236 in KVPY among over 50,000 contesting candidates.***
- ***2019 TSBIE - passing 12th class with 973/1000.***
- ***2017 CBSE - passing of 10th class with 10.0/10.0 points.***

### **Online courses completed:**

- ***2020 November- Machine Learning By Building Projects by Eduonix***
- ***2020 July - Nanodegree in Java Web Developer by Udacity***
- ***2020 July - Advanced Optimization Techniques and hands-on with MATLAB/SCILAB***
- ***2020 June- AngularJS organised by JNTUA College of Engineering Pulivendula and Brain O Vision.***
- ***2020 June - Nanodegree in Data Structures and Algorithms by Udacity***
- ***2020 June - Nanodegree in Full Stack Web Development by Udacity***
- ***2020 May - Python and Django Full Stack Web Developer Bootcamp by Udemy***
- ***2020 February - Machine Learning by Coursera and Stanford***

- **2020 January** - *Python Basics by Coursera and University of Michigan*
- **2020 January** - *Ethical Hacking Workshop by Techfest IIT Bombay*
- **2019 July** - *An Introduction to Programming Through C++ by Swayam*

**Positions of Responsibility:**

***August 20,2019 - March 16 , 2020***

- *Selected for NSO - Lawn Tennis*

***January 15,2020 - Present***

- *Selected as a member of the IIT Bombay Racing Team.*

# CERTIFICATE OF BRILLIANCE

Eduonix Learning Solutions recognizes the  
hard-work and dedication of

**Vennapusa Indrahas Reddy**

for successfully completing the

**"Learn Machine Learning By Building  
Projects"**

on November 10, 2020. Eduonix

congratulates you for your accomplishment.

*Sushant Das*

SIGNATURE



[www.eduonix.com/certificate/  
c96136fbc4](http://www.eduonix.com/certificate/c96136fbc4)



VERIFIED CERTIFICATE OF COMPLETION

July 30, 2020



**Indrahas Reddy Vennapusa**

Has successfully completed the

**Java Web Developer Nanodegree**

NANODEGREE PROGRAM

*Sebastian Thrun*  
Sebastian Thrun  
Founder, Udacity

Udacity has confirmed the participation of the individual in this program.  
Confirm program completion at [confirm.udacity.com/27w6FvWw](https://confirm.udacity.com/27w6FvWw)





**Online Faculty Development Programme on  
Advanced Optimization Techniques and hands-on with MATLAB/SCILAB**

**13 – 24 July 2020**

Jointly Organized by

Electronics & ICT Academy  
MNIT Jaipur

Electronics & ICT Academy  
NIT Patna

Electronics & ICT Academy  
PDPM IIIT DM Jabalpur




(Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India)

**CERTIFICATE OF PARTICIPATION**

This is to certify that Mr. / Ms. / Dr. **VENNAPUSA INDRAHAS REDDY** from **IIT Bombay** has participated and completed all the requirements of two week (equivalent to 3 credit 40 hours course) online faculty development programme on **"Advanced Optimization Techniques and hands-on with MATLAB/SCILAB"** jointly organized by Electronics and ICT Academies held from 13 – 24 July 2020 under the **"Scheme of financial assistance for setting up of Electronics and ICT Academies"** by the **Ministry of Electronics and Information Technology (MeitY), Government of India**. This programme is endorsed by **AICTE / UGC / NBA**.



  
**Dr. Prashant K. Jain**  
Co-Principal Coordinator  
IIIT DM Jabalpur

  
**Dr. Satyasai Jagannath Nanda**  
Principal Coordinator  
MNIT Jaipur



**JNTUA COLLEGE OF ENGINEERING PULLIVENDULA  
(AUTONOMOUS)  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**


**CERTIFICATE OF COORDINATION**




भारतीय राष्ट्रीय युवा परिषद  
National Youth Council of India


This is to certify that Dr./Mr./Ms./Mrs **Vennapusa Indrachas Reddy** kept extra effort and have contributed to the success of an International Level e-workshop on **"ANGULAR JS"**, organized by JNTUA College of Engineering Pulivendula in Association with Brainovision solutions India Pvt.Ltd, on 26th june,2020,with 16243 participants.



  
**D. Ganesh nag**  
CEO of Brainovision

  
**Dr. G.Murali**  
HOD-CSE

  
**Prof. G.Sankara Sekhar Raju**  
Principal

  
**Dr. D. Moorthy**  
G.S,NYCI



VERIFIED CERTIFICATE OF COMPLETION

June 27, 2020



V Indrahas Reddy

Has successfully completed the

Data Structures and Algorithms

NANODEGREE PROGRAM

A handwritten signature in black ink, reading 'Sebastian Thrun', positioned above a horizontal line.

Sebastian Thrun  
Founder, Udacity

Udacity has confirmed the participation of this individual in this program.

VERIFIED CERTIFICATE OF COMPLETION

June 16, 2020



Vennapusa Indrahas Reddy

Has successfully completed the

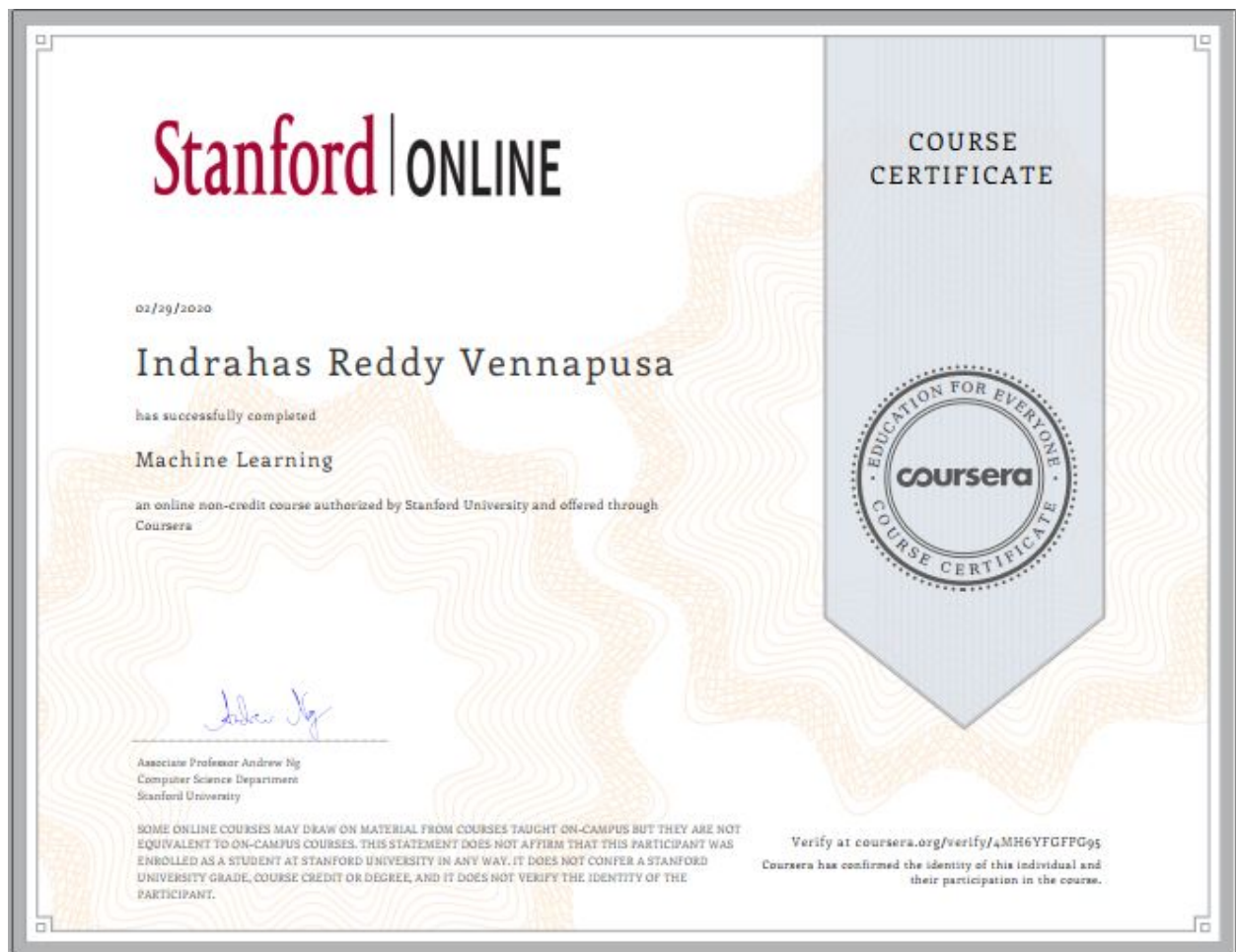
Full Stack Web Developer Nanodegree

NANODEGREE PROGRAM

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Sebastian Thrun  
Founder, Udacity

Udacity has confirmed the participation of this individual in this program.







This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

  
Roll No: NPTEL19CS39S51820183

To  
VENNAPUSA INDRAHAS REDDY  
HOSTEL NO. 16B -602  
IIT BOMBAY, POWAI  
MUMBAI CITY  
MAHARASHTRA  
400076  
PH. NO :7981302520

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

## NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**VENNAPUSA INDRAHAS REDDY**

for successfully completing the course


### An Introduction to Programming Through C++

with a consolidated score of **67** %

Online Assignments	13.25/25	Programming Exam	17.5/25	Proctored Exam	36.74/50
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Total number of candidates certified in this course: **516**

Jul-Oct 2019  
(12 week course)

  
**Prof. Sridhar Iyer**  
Head, CDEEP & NPTEL Coordinator  
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL19CS39S51820183

To validate and check scores: <https://nptel.ac.in/noc>