Achyuth Esthuri

Student

Personal Info

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WWW

www.linkedin.com/in/achyuthesthuri123

Skills

Python — Very Good

C programming — Good

Machine learning — Very Good

Adobe Photoshop — Good

Hard working student who is keen in pursuing research in areas of machine learning and deep learning. Experienced in researching about topics and coming up with ideas and solutions to new problems. Strong educational background in coursework at college and seeking opportunity to intern at premier institutions in the world.

Work History

2019-08 - Current

Design Oriented Project

BITS Pilani K K Birla Goa Campus, Zuarinagar, Goa

- Researching for a new approach to design an approximate multiplier and implementing it on ASIC .Working on Cadence NClaunch,Genus,Innovus and Verilog as part of the research.
- Carried in depth analysis of various algorithms, their pros and cons and presented to the mentor, the combination of all the advantages and incorporated those in our design.
- Attended meetings and presentations to learn more details about how ASIC design workflow proceeds and how various multipliers work.

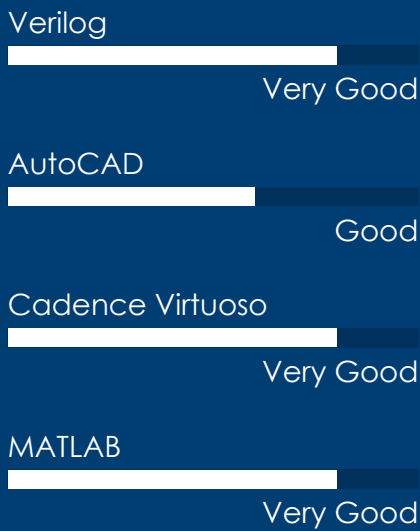**2019-05 - 2019-07**

Project Intern

CSIR-CEERI, Pilani, Rajasthan

- Designed a deep learning model for MultiPerson Yoga Detection using Deep Learning which acts as a corrector system.
- Software we worked on are Keras,Tensorflow,OpenPose,OpenCV and Python.
- Researched various subjects that were related to project and presented information to mentors and senior scientists.
- Assisted Senior scientists and PhD scholars for carrying out in-depth research regarding to the field and implemented the best algorithms.
- Attended meetings and presentations to learn more details about Machine Learning and Deep Learning and details regarding publishing a paper.
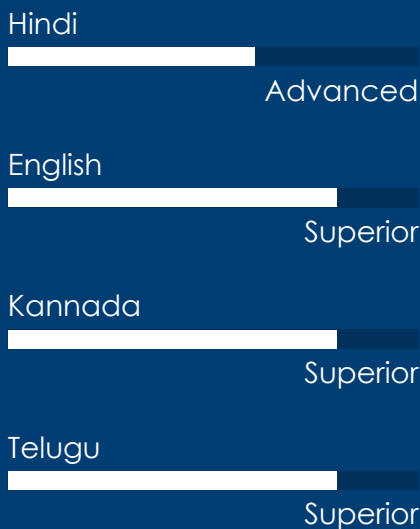
2019-06 - Current

Project Intern

Birla Science Museum, Pilani, Rajasthan

- Designing a Smart parking System based on IOT.Working on Arduino UNO,Raspberry Pi 3,Sensors (Ultrasonic sensors),GSM Module,Bluetooth Module, Actuators (Servomotors).
- Received the materials and the funding required from the Director of Birla Science Museum.

2019-05 - 2019-07

Project Intern

CSIR-CEERI, Pilani, Rajasthan

- Designed a Fall Detection system based on Deep Learning.
- Software we worked on are Keras,Tensorflow,OpenPose,OpenCV,Python.
- Spearhead the team by giving new ideas of workflow or design which helped in effective implementation of the algorithm.
- Worked with Senior scientists and PhD scholars in carrying out an in-depth research about the topic and writing important notes,analysis and conclusions.

2019-01 - 2019-04

Project

BITS Pilani K K Birla Goa Campus, Zuarinagar, Goa

- As a part of Microprocessors course in 4th semester, designed an IC tester from scratch along with my team mates. Worked on Proteus,MASM and Assembly language.
- Testing was carried for NAND,AND,XOR,XNOR and OR gates where the IC number was entered in a seven segment display and results was also displayed here (Pass/Fail).
- The project can be accessed through my github repo (https://github.com/Achyuth1234/IC-tester.git).

Education

2004-08 - 2015-05

10th Standard: ICSE

Sri Vani Education Centre - Bangalore

- Graduated with a percentage of 94%.
- Was School Captain, helped in organizing events

and maintaining the dignity and decorum of the school.
- Participated in many singing competitions and won laurels.

2015-08 - 2017-05	**2nd PUC: State Board**

VVS Sardar Patel PU College - Bangalore
- Graduated with a percentage of 97.67% and came 11th rank for the state.

2017-08 - Current	**Bachelor of Technology: Electronics And Communications Engineering**

BITS Pilani K K Birla Goa Campus - Zuarinagar
- Currently a CGPA of 9.12.
- Core member of Srutilaya Club.
- Core member at Nirmaan Goa , a student run NGO that works for the betterment of the society.Working for a vertical called Shiksha that aims at coaching unprivileged kids in 4th standard for an exam called JNV, which provides them with free education and other daily needs upon selection.4 students qualified in the year 2019.
- Volunteer for IEEE conference (ANTS 2019)
- Teaching assistant for courses C programming and Electronic Devices.
- Member of Student Faculty Council ,where we hold meeting with faculty members and discuss with them issues faced by students such as unfair grading, courses not allotted etc.

Certifications

2019-05	Neural Networks and Deep Learning
2019-02	Structured Machine Learning
2018-11	Machine Learning
2019-09	Python programming
2019-09	Python Datastructures
2019-01	Introduction to Graphic Design

Hobbies

- Playing Basketball
- Singing
- Playing Guitar
- Reading novels
- Socializing.