Namburi GNVV Satya Sai Srinath

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Links:

EDUCATION

National Institute OF Technology, Calicut (NITC) *July 2015 - April 2019*
Bachelors of Technology in Electronics and Communication Engineering(ECE) CGPA: 8.93/10
Ranked 12th among 150 students

FIITJEE, Vijayawada *June 2013 - June 2015*
Board of Intermediate (BIEAP) Board exams(IPE): 978/1000
All India Rank 5151 in JEE Mains (*among 1.6 million*)

Ravindra Bharathi Public School, Vijayawada *Till June 2013*
Secondary School Education(SSC) Grade: 9.5/10

PUBLICATIONS

- **Namburi GNVV Satya Sai Srinath**, Athul Zac Joseph, Ch. Lakshmi Priyanka, Malavika Nair M, S Umamaheswaran, Praveen Sankaran "NITCAD - Developing an object detection, classification and stereovision dataset for autonomous navigation in Indian roads" in Third International Conference on Computing and Network Communications (CoCoNet), 2019 [Accepted]
- S Umamaheswaran, Malavika Nair M, Athul Zac Joseph, **Namburi GNVV Satya Sai Srinath**, Ch. Lakshmi Priyanka, Praveen Sankaran "Stereo Vision Based Speed Estimation forAutonomous Driving" in 18th International Conference on Information Technology (ICIT), 2019 [Accepted]
- Shruthi C M, **Namburi GNVV Satya Sai Srinath**, G Vijay Vamsi, Sudheer A P, Joy M L "Android Based Control of Transmission line Robot for Traversing Through Straight line and Crossing of Tower Junctions" in International Journal of Innovative Technology and Exploring Engineering (IJITEE),Volume-8 Issue-6, April 2019 Paper.

COURSE PROJECTS

Object classification, detection and tracking for autonomous vehicle navigation in Indian road scenarios (Major Project) Report *June 2018 - May 2019*
Worked on algorithms such as YOLO, R-CNN to detect, classify and track objects like car, pedestrian etc. Estimated the velocity of vehicles present in a video. Worked on KITTI LiDAR to get performance analysis of algorithms such as "Gaussian Mixture Models","Fast Segmentation". Created a dataset suitable for Indian roads which can be used for future research towards the development of autonomous vehicles in India.

NETRA - A Blind Assistive Device (Mini Project) Report *Jan 2018- April 2018*
Designed a hat which can detect obstacles and warns according to the distance from it. An improved version of this can be used by blind people replacing traditional stick thus improving reliability.

TECHNICAL PROJECTS

Number plate detection from traffic surveillance footage(Internship) Report *Dec 2018*
As part of winter internship, worked under Dr.Deepak Mishra at Indian Institute Of Space Science Technology(IIST), Trivandrum worked on traffic video footage to detect, recognise and match number plates of vehicles.

Research Assistant, Electrical Line Inspection Robot, Ph.D(Mech) *May 2016 - June 2018*
Worked as a research assistant for a Mechanical PhD project and as a 3-member team, developed a robot (which has 14 servo motors and 10 DC motors) which can traverse through electrical transmission lines and cross junctions, poles.

Online Shopping skillset for Alexa - NITCkathon.ai *24hr event - (Oct 2018)*
As part of NITC hackathon conducted by JMR InfoTech, worked as a 3-member team and developed a skillset for Amazon Alexa to understand different skills related to online shopping.

Smart Energy Meter - MITS Hackathon, Kochi *24hr event(Feb 2018)*
Worked as a 4-member team and developed a module which can be installed to existing energy meters(instead of replacing the entire energy meter) thus providing details about electricity consumption, thefts etc to a remote website through Wi-Fi module.

Cloud Based Attendance using Biometric Scanner *April 2017- July 2017*
As a 3-member team, we installed a biometric scanner in our lab (Robotics Interest Group - RIG) replacing the register for entry/exit timings. Data is sent to local website so that it is easy to know whether a person is present or not. The relevant statistics are displayed in the local website.

ADDITIONAL COURSES

- Game theory, an online Coursera course. [Certificate]
- Mathematical Structures in Signal Theory, a course conducted by Dr.G.Abhilash inassociation with "Design Innovation Center", IISC Bangalore
- Machine Learning, an online Coursera course by Stanford University. [Certificate]
- Deep Learning Specialization from deeplearning.ai in Coursera (In progress)
  [Course 1] [Course 2] [Course 3] [Course 4]

WORK EXPERIENCE

Systems/Software Developer, Microfocus/Novell - Bangalore *Aug 2019 - Present*
Working in ZENWorks Service desk (ZSD) which is primarily a ticket-raising platform.

ACHIEVEMENTS AND EXTRA CURRICULARS

- Participated and secured good percentile in several state, national and international olympiads including NSO, IMO, IEO, SLSTSE, Ramanujan Memorial
- Team member and Web administrator for Robotics Interest Group (RIG) [Website].
- Participated in Level 2 of Flipkart GRiD
- Prefinalist in "Economic Times Campus Stars" competition held at Bangalore in Feb,2018
- Participated in the 10K mini Marathons conducted by NITC in 2017 and by IIMK in 2018
- Decorated the walls of Medical College,Kozhikode as part of "Compassionate Kozhikode", National Service Scheme (NSS) in 2017
- Conducted various hands-on workshops in and around college to promote interest in Robotics as part of RIG
- Blue belt in Karate