

Manasa Jagadeesh

mana5a.github.io

Email : manasajagadeesh98@gmail.com

Mobile : +91-9632070696

EDUCATION

- **PES University** Bangalore, India
B.Tech in Computer Science and Engineering, 5th semester; CGPA: 9.46/10.0 *Aug. 2016 – Present*
- **National Public School, Rajajinagar** Bangalore, India
All India Senior School Certificate Examination; Overall Percentage: 92.2% *March 2016*
- **National Public School, Rajajinagar** Bangalore, India
All India Secondary School Examination; CGPA: 9.6/10.0 *March 2014*

EXPERIENCE

- **Narendra Summer Intern** Dept of CSA, Indian Institute of Science
Mentor: Prof. Y. Narahari *June 2018 - Present*
 - **Learning adversary behaviour in a Stackelberg Security Game**
Optimising defender strategies by learning attacker's utilities in a SSG
- **Summer Intern** Microsoft Innovation Lab, PES University
Kinect & Virtual Reality Domain *June 2017 - July 2017*
 - **Brainchild**
Kinect and Virtual Reality based physiotherapy and gait analysis system

PROJECTS

- **Learning adversary behaviour in a SSG**
Application of game theoretic principles to security scenarios, experimental results on real and synthetic data, statistical validation of results.
- **Kinect & VR based physiotherapy and gait analysis system**
Used body point cloud data from Kinect to design gait specific games and analysed obtained data to identify anomalies in gait, specifically in Cerebral Palsy patients.
- **Online Gift Registry**
Developed a gift registry using web technologies, with a fully functional back-end. Implemented user functionalities like creating event specific lists for each user.
- **Fruit Plucker Bot**
Used OpenCV for basic image processing to identify the right coloured "fruit" which is then plucked and collected by a robotic arm.

ACHIEVEMENTS

- **eYantra Robotics Competition 2017**
Finished in the top 8 teams in the country in the "Chaser Drone" track of eYRC, a national level robotics competition conducted by IIT Bombay.
- **Prof. C.N.R. Rao Scholarship Awardee (2016-Present)**
Merit scholarship awarded by PES University every semester to the top 20% of the batch for academic excellence.

EXTRACURRICULAR

- **Founding Member & Head, Write Angle, official literary club of PESU**
Organisation of Open Mic events, Content writing for various college events, and magazines; Participation in various literary competitions at collegiate-level.
- **Japanese Language Proficiency Test N4**
Currently studying N3.

PROGRAMMING SKILLS

- **Languages:** Python, C, Javascript, SQL, C++ **Technologies:** Arduino, ROS, Flask, Blender