



ARJUN SADANANDA

National Institute of Technology Karnataka, Surathkal
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Career Objective

My career goal is to design and program robots for a better future.
My interest lies in Computer Vision, Motion Planning, Control Systems,
Mechanical design CAD—CAM and everthing robotics.

Education

National Institute of Technology Karnataka, Surathkal <i>Bachelors in Mechanical Engineering</i> Coursework includes Manufacturing Technologies, CAE, Analysis and Synthesis of Machines, Machine Drawing.	2015-19
Indian Educational School, Kuwait <i>High School Science and Computer Science</i> Kuwait Topper in Class 12 CBSE Computer Science	2009-2015

Projects/Achievements

I eYantra Robotics Competition- IIT Bombay: Third Position -March 2017

- Focus on Path Planning, PID Control on Differential Drive robot- FireBird and Image Processing
- Found, Out-of-the-Box solutions to problems like parallax error in robot position estimation using camera, Mechanical Design of robotic Arm/Grabber,

II Automata: Winning Team Leader and lead programmer -October 2016

Image Processing(Over-Head Camera) and PID Control based robotics competition, conducted during Engineer(NITK) one of the largest Tech Fest in South India.

III Brain Computer Interface: For Robotic Arm - In Progress

Working Under CSD Labs NITK

IV Robotic Wooden Arm: Controlled using Arduino (Hobby Project)

Training and Internships

- ◇ International Conference on Control Systems- APCOSEC 2016
Interacted with world renowned Systems Engineers and Graduates behind Student Satellites. Industrial Visit to ISRO Satellite Center.
- ◇ Certified Online Courses related to Robotics:
 - Control Theory for Mobile Robots Coursera GeorgiaTech
 - Machine Learning- Coursera Stanford
 - Applied Computer Science with Android Google (in NITK Campus)

Technical Skills

- ◇ OpenCV * * * * *
- ◇ Matlab/ Octave * * * * *
- ◇ Arduino, Raspberry Pi * * * * *
- ◇ Android Studio * * * * *
- ◇ Embedded C * * * * *
- ◇ CATIA * * * * *
- ◇ PLC (Ladder Logic) * * * * *

Soft Skills

- I Leadership
- II Public Speaking
- III Debating
- IV Photo, Music and Video Editing

Co-Curricular Activities

- I IEEE Student Member (2015-2016)
- II Student Council Member, NITK (2015-2016)
- III Deputy Head Boy, Student Council, Indian Educational School, Kuwait.
- IV Iken Scientifica: Kuwait Runner Up
A national level science competition to establish a connection between curricular knowledge and practical application

Extra Curricular Activities

- ◇ Co-Founded TheGreenBrigade, Presently under NSS, NITK
Organized Campus Clean Up Drive inspired by Swachh Bharat Abhiyan
- ◇ National Cadet Corps (August 2015 November 2016)

Languages

English	* * * * *
Hindi	* * * * *
C/C++	* * * * *
Java	* * * * *
Python	* * * * *

Research Publications

(i) Coming Soon...

Personal Information

Fathers Name: Sadananda Adyanthaya
Mother's Name: Anita Sadananda
Sex: Male
Date of Birth: 12 May 1997
Nationality: Indian

Reference

Dr. K V Gangadharan,
Centre for System Design Founder
Professor. Department of Mechanical Engineering, NITK Surathkal
Mangalore 575025, Karnataka, India
Email: kvganga@nitk.ac.in
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Declaration

I hereby declare that all the information furnished above is true and genuine to the best of my knowledge

Date: 24th April 2017