

# Ashutosh Das

Banadurga Mandir, Matikot, Andilo, P/O: Baliana, Bhubaneswar - 752101

☎ (+91) 9438317998 | ✉ das.ashutosh96@gmail.com | 🌐 github.com/ashutoshdas96 | 🌐 www.linkedin.com/in/dasashutosh

## Education

Examination	University/Board	Institute	Year	CPI/%
Under Graduate specialization:	Computer Science and Engineering			
Graduation	IIIT Bhubaneswar	IIIT Bhubaneswar	2013-2017	7.62/10
Intermediate/+2	CBSE	Sri Chaitanya Jr. College, Visakhapatna	2013	76.8%
Matriculation	CBSE	DAV Public School, UNIT-VIII, Bhubaneswar	2011	8.8/10

## Skills and Coursework

**Programming** C/C++, Python, Java, PHP, JavaScript

**Others** Internet of Things, Machine Learning, Computer Vision, Linux, Embedded Systems, Robotics, HTML, Git, LaTeX

**MOOCs** Machine Learning Foundations: A Case Study Approach by University of Washington on Coursera. Certificate earned on January 4, 2016

## Experience

### IASc-INSNA-NASI Summer Research Fellowship

GUIDE: DR EKTA SINGLA, IIT ROPAR

May. 2016-Jul. 2016

### 3D Reconstruction for Manipulator Workspace

COMPUTER VISION, KINECT, C++, POINT CLOUD LIBRARY (PCL), CMAKE, GNU MAKE

- Aim of the project was to get 3D model of the real world environment using multiple depth snapshots from Kinect sensor in order to compute the manipulator workspace in that environment.

## Projects

### Identify Sequences of Digits in an Image using Deep ConvNets

DEEP LEARNING, CLASSIFICATION, PYTHON, TENSORFLOW

Dec. 2016

- A Deep Convolutional Neural Network model that learns to recognize sequences of digits in a photograph. SVHN dataset is used.

### Predicting house prices using K-nearest neighbors regression

MACHINE LEARNING, REGRESSION, PYTHON

Jan. 2016

- Predict the output for the query input using the K-nearest neighbors. King County House Sales data set is used.

### J.A.R.V.S.H: A smart house project

INTERNET OF THINGS, C/C++, PYTHON, POCKETSPHINX, NATURAL LANGUAGE TOOLKIT (NLTK), EMBEDDED SYSTEMS

Jan. 2015

- Build a smart digital assistant which takes decision of controlling home appliances and capable of parsing speech commands.

## Position of Responsibilities

2016-2017	<b>Branch Chairperson</b> , IEEE Student Branch IIIT Bhubaneswar	IIIT Bhubaneswar
2015-2016	<b>Secretary</b> , Technetronic: The Robotics and Automation Club of IIIT Bhubaneswar	IIIT Bhubaneswar
2016	<b>Technical Head</b> , Advaita, The annual technical and cultural festival of IIIT Bhubaneswar	IIIT Bhubaneswar

## Honors & Awards

2016	<b>Winner</b> , TechNova: Technical Exhibition	Advaita, IIIT-Bh
2016	<b>Winner</b> , Switch Coding: Coding competition	Advaita, IIIT-Bh
2014	<b>Runners up</b> , Bot Sumo: Automated robot fight competition	Advaita, IIIT-Bh

## Extracurricular Activity

### Teaching different topics to freshmen

IIIT Bhubaneswar

- Taught topics like Linux, robotics, embedded systems, Raspberry Pi, Internet of Things

### Conducting technical events and workshops

IIIT Bhubaneswar

- Conducted many coding and robotics event through out the academic year
- Coordinated different workshops like Embedded Systems & Robotics, Internet of Things