

Ashutosh Das

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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++, Java, Python, 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

Predicting house prices using K-nearest neighbors regression

PYTHON, MACHINE LEARNING, REGRESSION

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.

IRC type command line Chat System

JAVA, SOCKET PROGRAMMING

Nov. 2015

- Developed a multi-threaded chat system using Java.

Position of Responsibilities

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

Honors & Awards

2016	Winner , TechNova: Technical Exhibition	Advaita, IIIT-Bh
2016	Winner , Switch Coding: Coding competition	Advaita, IIIT-Bh
2014	Runners up , 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