

# ANKAN DAS

3rd Year Undergraduate, Electrical Engineering

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Kanpur, India

Ankan-Das

## WORK EXPERIENCE

Internet of Things, Prof. L Behera

INTERN, MENTOR

May. 2019- Jul. 2019

IIT Kanpur

- Worked on implementing different IoT applications using hardwares like Arduino Nano, Esp Module, NodeMCU, Raspberry pi and controlling different analog and digital devices with softwares like Arduino and Python.
- Completed a project "Neural Network based Obstacle avoidance for mobile robots" and designed a data model using Python and Raspberry Pi
- Mentored a group of 450 students who participated in a workshop of AI and IoT, conducted by ISmriti and helped them debug their problems, faced during many of their IoT applications.
- Used cloud services like Google Firebase and ThingSpeak, and made systems that control digital as well as analog devices, using hardwares or Mobile Apps made using MIT App Inventor.

## PROJECTS

Fuel Flow rate prediction of Airplanes

COURSE PROJECT, PROF. FAIZ HAMID

May. 2019 - July. 2019

IIT Kanpur

- Predicted fuel flow rate of airplanes using a big data set of several attributes
- Used Neural Network to train the dataset after preprocessing - Cleaning the data, Data reduction, Integration

ABU Robocon 2019, THE GREAT URTUU

TEAM ROBOCON IIT KANPUR, PROF. ASHISH DUTTA

Oct. 2018 - Apr. 2019

IIT Kanpur

Programmed and built 2 robots, one automatic and the other semi-automatic, one crosses some obstacles, crosses a bridge and handovers a 'gereege' to the second bot which is automatic and moves like a horse, hence Jensen Mechanism was used.

The second bot crosses a sand dune and two rope fences and waits until the first bot picks up and throws 'Shaghai' to a specified area and when the score is 50 points, decided by the orientation of Shaghai, the second bot climbs up a 'hill'.

## SKILLS

C Arduino Python HTML MySQL JavaScript

## EDUCATION

3rd year, Bachelor of Technology  
Electrical Engineering

IIT Kanpur

July 2017 – Till Date

Matriculation and Post Matriculation

Kendriya Vidyalaya ONGC Agaratala

April 2005 – March 2017

## HONOR & AWARD

 KVS JMO 2015

All India Rank 28 and Regional Rank 2

## EXTRACURRICULAR

 Cartoon and Comic Designer, VOX POPULI, IIT KANPUR

Published several comics & Made Campus map for Fresher's Newsletter to help freshers find important places easily

 Football, Summer Camp GAMES AND SPORTS COUNCIL, IIT KANPUR

Participated in the 35 days camp & Took part in different sport events organised with other members of the camp from different sports

 Member, FURSAT

MANDLI,DRAMATICS CLUB,IIT KANPUR

Performed in several Mime and Street Plays

## COURSEWORK

Data Mining and Knowledge Discovery

\*Machine Learning for Signal Processing

Probability and Statistics

Engineering Graphics

Partial Differential Equations

Introduction to Western Arts