

Ankit Kumar

Interest in developing, designing and implementing customized solutions to various tasks .Domains where one can integrate machines & humans together.currently working on projects involving machine learning , data analytics, and image processing + robotics as major area of interest

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EDUCATION

Bachelor of engineering NMIT ,BANGALORE,INDIA

08/2016 – Present

GPA-8.4(till 5th semester)

Courses

- information science & engineering

10th and 12th std (CBSE board) Kendriya Vidyalaya

06/2013 – 06/2015

12th percentage - 87% (2015) ||: 10 th
CGPA=10.0(2013)

highlights

- various achievements in school level co curricular activities such as debates and volunteering works
- positions in sports : football , running , kabbaddi ,badminton ->part of Bharat scouts and guides
- participant in various science and maths Olympiads and various other competitions
- active participant in arts and crafts

WORK EXPERIENCE

Head

S371-Club of arts and crafts,NMIT

05/2018 – Present

bangalore,india

the club responsible for conducting of various activities & events+ decor on arts and crafts ,encouraging the creativity in youth

Achievements/Tasks

- actively leading and orienting the team of 60+ people in ANAADYANTA 2018,2019(recognised as one of biggest national techno cultural fests in Karnataka).responsible for making setups and decor for college during various festivals or during various events which are organised in campus

core committee member NMIT,bangalore

2018 – Present

member of annual techno-cultural& mnagement fest ANAADYANTA 2019 core committee

Achievements/Tasks

- ensures smooth funtioning of event -handled arts and decoration department

ACHIEVEMENTS

E-YANTRA ROBOTICS COMPETITION (08/2018 – Present)

project -MOCKING BOT , selected as finalists for this national level robotics competition .

SKILLS

c++

c

python

ms office

machine learning

algorithms

leadership

maganement

arts &crafts

ROBOTICS

IoT

image processing

designing

QUICK LEARNER

PERSONAL PROJECTS

TEXT TO SPEECH synthesis (02/2019 – Present)

- process the given image & converts it in regional transcripts , process and recite the transcripts
- INVOLVES image processing , python , IoT modules and ausio processing knowledge

MOCKING BOT (08/2018 – Present)

- selected for finals : e-yantra national level robotics competition
- A music file will be given and using Audio Processing they have to extract the notes and communicate them to the Striking mechanisms. Using these mechanisms, Bot will strike and play the required notes in the given order. As the music is imitated by the Bot, hence referred to as "Mocking Bot"
- INCLUDES : Audio Processing, Machine Learning, Communication, Designing instruments and Striking mechanisms.

ROBOTICS projects (08/2017 – 12/2017)

- creation and successful execution of :
- all terrain bot -a robotic miniature vehicle which can run of different terrain types
- obstacle avoiding bot - using of sensors and other modules the travelling ot should avoid obstacles in its path
- industrial conveyer belt sorting prototype - sorts the items on a convyer belt based on thier colour .
- INVOLVES : embedded C++, concepts of interdisciplinary fields like mechanics , electrical,civil etc

MAZE SOLVING LINE FOLLOWER (09/2017 – 11/2017)

- lot project Line follower - founs the shortest path in a given line maze
- INCLUDES : IoT ARDUINO + sensors + embedded C

console application for lib managent (02/2016 – 04/2016)

- full fledged console based application for maintaining database of varios books, staffs, and other necessary details fully coded using c++ language only
- INVOLVES : c++

CERTIFICATES

BOLT IoT- (10/2017 – 11/2017)

four weeks training on BOLT-IoT involving online lectures and hands on exercises on kit provided- by inventrom

INTERESTS

arts &crafts

travelling

designing

sports

food +cooking