

AKSHAY KOTHARI

3rd Year CSE Undergraduate

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akshaykoats

SUMMARY

I am an undergraduate student, at KIIT-DU, majoring in Computer Science and Engineering. I enjoy tinkering with IoT devices. I also have some exposure to cryptography, problem solving and competitive coding.

WORK EXPERIENCE

Summer Intern, KPMG

May - Ongoing, 2021

- Working with the technical team in building a robust ERP solution for construction projects.
- Participation in live projects.

Intern, Med Tour Easy

October-November, 2020

- As a data analyst, I classified patients showing symptoms of being infected or not based on collected data.
- Identification of harmful syndrome based on certain criterion like blood culture and treatment of patients with a series of intravenous antibiotics.

Summer Intern, IIT Kanpur

May-June, 2019

- iSMRITI, Robotics and IoT lab.
- Built an **Automated Obstacle Avoidance Bot** that used ultrasonic and IR sensors for data-feed to guide and control its velocity vector.
- This bot was first manually controlled using a smartphone to avoid obstacles while in motion and corresponding motion-data was saved as training data.
- Developed and trained a **Recurrent Neural Network** on data collected above to change rpm values for the left and right wheels of the bot based on input from ultrasonic and IR sensors.

PROJECTS

Self Navigation Bot (Using LoRa Module)

November 2019

- Worked in a team of 5 to build a self navigating bot that travels from one location to another based off of GPS coordinates provided.
- The aim of the project was to design and build a bot which would potentially deliver payloads from their source to the end user/consumer. (Example use cases include food delivery to distressed people trapped during natural calamities or as an automated agent for delivery services.
- The bot worked well in dim lighting conditions as well.

EDUCATION

B.Tech in Computer Science

KIIT, Bhubaneswar

July 2018 – Present

CGPA - 8.7/10.0 (Upto 6th Semester)

Sri Chaitanya (Class XII CBSE)

Vizag, AP

July 2016 – May 2018

Percentage - 85.8%

RELATED COURSES

- Machine Learning (by Konnexions, IT Society, KIIT)
- Big Data Analytics (RCPL)
- Guided Projects in Data Analytics (Coursera)

COURSEWORK

- Data Structure and Algorithms
- Design and Analysis of Algorithms
- Probability and Statistics
- Operating System
- Data Analysis

EXTRA-CURRICULAR

- Bronze Medalist, ASISC Swimming Competition (2016)
- First Place, Battle of the Bands, J.H. Tarapore,
- Organizing Committee KIIT Events 2019
- Regional Level Snooker (Participation)