



Aranya Kumar Tripathy

Mechanical Undergraduate

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An avid learner, reader and a machine learning and automation enthusiast.

EDUCATION

Bachelor of Technology

Veer surendra sai university of technology

08/2018 - Present

Sambalpur, CGPA - 7.4

Intermediate

D.A.V Public school

04/2016 - 05/2018

Bhubaneswar, Percentage - 88.4

TRAINING & EXPERIENCE

Core technical member

Robotics society

10/2018 - Present

Burla, Sambalpur

Coordinate the design and automation team in building Robots that tries to solve a existing or a emerging problem.

IOT & CAD Intern

CSKA Automation Services

10/2020 - 12/2020

Delhi

Developed a smart glass for deaf-mute using IOT and created a custom design using CAD (SolidWorks)

Industrial Training

Central Tool Room and Training Centre

05/2019 - 07/2019

Bhubaneswar

Designed and made the complete drafting of a multi-rotating fan using CATIA modeling tool(solid, surface and animation)

CERTIFICATES

Deep learning using PyTorch from IITM research park

learned background mathematics for FNN, CNN, RNN and application using PyTorch framework.

Natural language processing from Coursera

learned basic mathematics for NLP and created a sentiment analysis

Internet of things from NPTEL

learned about basic IOT technology, networking and sensors.

SKILLS

java

Python

Machine learning

IOT

Computer Vision

Robotics

DataBase

MS Office

PERSONAL PROJECTS

Object detection using R-CNN

- object detection using region-based convolutional neural network.

Sentiment analysis using PyTorch

- analysis of sentiments from text using PyTorch

Text classification using BERT and Tensorflow

- Classification of text for categories from a predefined set

Human Following Robot

- Created an omnidirectional robot using computer vision to follow the owner that can be used as a shopping cart.

ACHIEVEMENTS

Made it to the Top 3 in Robocon in stage1

had 3rd highest score in Robocon 2019-2020 by making tow robots having the ability to play rugby using motion planning and CAD design

LANGUAGES

English

Professional Working Proficiency

Hindi

Full Professional Proficiency

Odia

Full Professional Proficiency

INTERESTS

Machine learning

Automation

Robotics

Automobile

industrial design

Book reading

Natural language processing