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| --- | --- | --- | --- |
| Year | Degree/Examination | Institution/Board | CGPA/Percentage |
| 2019 | Bachelor of Technology (B.Tech   3rd Year) | Indian Institute of Technology, Roorkee | 7.37 |
| 2014 | Twelfth | RAMAKRISHNA VIDYA MANDIR  (CBSE) | 82 % |
| 2012 | Tenth | DELHI PUBLIC  SCHOOL,GWALIOR (CBSE) | 10.0 |

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Internships**   
**Addverb | I**ndustrial Automation 2 months

• Worked as an intern in robotics department in Addverb Pvt. Ltd. a company specializing in industrial

automation

• Worked on automated guided vehicle (AGV) for localization and navigation involving automatic docking for

charge.

• Implemented line tracking algorithm (local planner) for sorting robot and developed centralized traffic

management of multi robot system.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Projects**   
**EEG Signal Processing and classification |** IIT ROORKEE September 2018 to March 2019

• EEG signal (brain source) processing and classification using machine learning   
 • Analyzing the data involving data cleaning ,interpreting it for the purpose and visualizing it using matplot and

seaborn libraries.

• Worked with Artificial Neural Networks (ANN) and other machine learning algorithms such as Logistic

Regression, Decision

• Tree, SVM and Random Forest for classifying the data, Gradient boosting algorithms like XGboost and

Adaboost and further using the model for predictive analysis.

• Driving of a robotic bot through receiving real time data using a neuro-headset and classifying it based on the

|  |  |  |  |
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| **Traffic Analysis using deep learning|** IIT ROORKEE |  |  | Jan 2020 – Present |

• Traffic Analysis and vehicle tracking using deep learning   
 • Image segmentation using Mask R-CNN built on Resnet101 and FPN.   
 • Vehicle behavior and trajectory tracking using the improved IOU tracker technique with visual tracking

extension.

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| **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AMRUT Survey Camp |** IIT Roorkee |  |  |  | 15 days |

• Surveyed region of Roorkee with an area of 12.54 sq kmas per AMRUT guidelines   
 • Developed a common digital Geo-referenced base maps and land use maps using GIS   
 • Carried out the Digitization of the area using the software Arc GIS and ERDAS IMAGINE

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Awards / Scholarships / Academic Achievements**   
  
 **•** Received third position in Hunar 2.0 entrepreneurship challenge at zonal level and qualified for the national   
 level 2018-19 .   
 **•** Participated in Machine Learning 2 days Hackathon conducted by Innovaccer pvt. ltd. And received top 10   
rank among teams **.**   
   
**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Work Experience**   
  
**•** Written and published blog on “Detection of Fake and False News (Text Analysis): Approaches and CNN as   
 Deep Learning Model” at ‘analyticssteps.com’

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Skills**

• Computer languages C,C++,Python

• Software Packages Android studio, Arc GIS ,Jupyter ,MS Excel, MS PowerPoint, MS Word, MS Access

• Languages Known English (SRW) , Hindi (SRW)

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Positions of Responsibility & Extra Curriculars**   
  
**Cognizance**   
**•** coordinated ' Machine Learning and AI ' workshop in cognizance,19   
   
**N.S.O IIT Roorkee**   
**•** Got selected and trained in Table Tennis sport under N.S.O. IIT Roorkee   
  
**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_References**

**Indrajit Ghosh Kamal Jain**   
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