



Harsh Sinha

Roll Number :150108014
B.Tech -Electronics and Electrical engineering
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<https://github.com/harsh4723>

Education

Year	Degree / Certificate	Institute / Board	CGPA/Percentage
2015- 2019	B.Tech	Indian Institute of Technology, Guwahati	7.75(Current)
2015	Senior secondary	CBSE board	92.6%
2013	Secondary	CBSE board	10.0

Experience

Intern at Indian Statistical Institute Kolkata

(15th May -7th July 2017)

Multilabel Classification(Machine Learning)

Professor: Prof. Ashish Ghosh

Projects

• Intern Projects

- Multilabel KNN(K nearest Neighbour) for classifying multilabel data.
- Multilabel ELM(Extreme Learning Machine) with ELM based autoencoder.(HELM)
- Multilabel MLP(Multilayer Perceptron) with ELM based autoencoder.
- Test KMeans and DB Scan on Multilabel Data.

Github link: https://github.com/harsh4723/Intern_projects-2017-summer-

- **FT mini corsair**(RC Plane which can move in all directions)in kriti inter hostel technical event
- **Chat Bot**: Python Script for Terminal news BoT (provide news from various news links via Chat)(<https://github.com/harsh4723/chatbot>)(mypolly botahon IITG team event)
- **EE320 Course Project (Emotion Detection)**: To classify .wav sounds into emotions like sad,happy,angry or neutral (<https://github.com/harsh4723/Emotion-Detection>)

*Other projects on github: <https://github.com/harsh4723>

Technical skills

- Programming languages : Java,Python,C++, C,Matlab
- Web technologies : HTML, CSS,PHP*
- Database management : mySQL*
- Operating system : Windows

* *Elementary proficiency*

Positions of Responsibility

- Mess convener Dihing hostel(current)
- Branch Hostel representative in 1st year.
- Event Organizer (Parliamentary debate) at Alcheringa
- City representative, Ranchi,Technothon 2016

Achievements

- Techniche 2016:1st in cantilever design
- JEE-2015-Rank-1902(top 0.01 percentile)
- 2nd in Inter hostel RC plane module.(3 members)
- AISSCE 12th :1st in Chemistry.

- 1st in Table Tennis SA course(1st year)(5 members)

Extra curriculars

- Participated in Industrial Conclave workshop in techniche 2015
 - Japanese language course 4th Sem. Elementary Proficiency in Japanese language.
 - Participated in Valeo Innovation Challenge 2017
 - Part of Aero Modelling module in Kriti(Inter hostel technical event)
 - Inter Hostel basketball and khokho.
 - Manthan(cultural event) Sketching Module
 - Participated in myPolly chat Bot Competition.
 - Participated in Microsoft's CodeFun Do (Modelled a TT game with Unity)
 - Hackerrank: <https://www.hackerrank.com/harsh4723>
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Key courses taken

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|------------------------------------|---|
| • CS 101 Introduction to Computing | • EE230 Principles of Communication |
| • CS 110 Computer Lab | • EE221 Probability and Random Processes |
| • EE102 Basic Electronics Lab | • EE204 Analog Circuits Lab |
| • EE 220 Signal and system. | • Introduction To Algorithm MIT ocw |
| • MA-101 linear algebra | • Winter Java course in Aptech Computer edu |
| • EE 201 Digital Circuits | • Python online codecadmy |
| • EE204 Analog Integrated Circuit | • Machine Learning Coursera and Udacity |

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