



Siddhant Sinha

Roll Number : 170123048

B.Tech - Mathematics and Computing

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(<https://github.com/sid573/>)

Education

Year	Degree / Certificate	Institute / Board	CGPA/Percentage
2017 - Present	B.Tech	Indian Institute of Technology, Guwahati	6.34 (Current)
2017	Senior Secondary	CBSE Board	91.6%
2015	Secondary	CBSE Board	9.8

Experience

- **Algo8.ai** (<http://algo8.ai>) May'19 - July'19
Data Science Intern
 - Hindi Sentiment Analysis : Used ULMFiT model from Fastai library, has been fine tuned on pre-trained Hindi language model (<https://tinyurl.com/y4n8evct>)
 - Real time detection and recognition of human using Computer Vision
 - Representation of analysed keyword from twitter data using Google Chart API and D3.js
 - Developed UI/UX for Company's website

Projects

- **Machine learning and AI:**
 - **Humanoid : Raman** (<https://github.com/sid573/Raman-TheVisionBot>)
 - Developing a socially interactive humanoid which can communicate with people
 - Implemented Object detection, Face Recognition and Tracking
 - **Dat-A-vengers** (<https://github.com/sid573/Technothlon-Dat-A-vengers>)
 - Developed GUI game for Technothlon Mains Event
 - Game based on Housing Price Prediction (Kaggle Dataset) for students with Data Analytic knowledge but not proficient in coding
- **Web Development :**
 - **Techniche Website** (<https://techniche.org>)
Developed website for Techniche - the Annual Techno-Management festival of IIT Guwahati
 - **PineTown : Cushyrooms** (<https://pinetown.in>)
Real life application project to help people to find rooms at Solan(Himachal Pradesh)

Technical Skills

- **Elementary** : C, PHP, Laravel , Flask , OpenCV , Keras, Fastai, SQL, Postgres, Octave, bash, Matlab
- **Proficient** : Django, Python, C++, Javascript, HTML, CSS, Rest API's, JQuery, AWS, Git
- **Operating System** : Windows, Unix/Linux

Positions of Responsibility

- **Web Operations**, Techniche, IIT Guwahati: **CoreTeam Member**, Oct 2018 – present
- **MATRIX**, Dept. of Mathematics, IIT Guwahati: **Cultural Secretary**, Oct 2018 – present

Key Courses Taken

- **Computer Science**: Data Structure, Object-Oriented Programming(C++), Algorithms, Andrew NG Machine Learning, Operating System*
- **Mathematics**: Linear Algebra, Discrete Mathematics, Random Processes And Probability, Financial Engineering, Modern Algebra

Awards and Recognitions

- **Awards** :
 - 3rd in Amature Analysis Astronomy
 - 3rd in KRITI Hackathon
- **Participation** : Microsoft: Codfundo++, UDGM: Hack For Health, JavaScript Hackathon