



# Ankit Agarwal

Roll No.:190104012

B.Tech - Civil Engineering

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Github | Portfolio | LinkedIn

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Guwahati	8.24 (Current)	2019-Present
Senior Secondary	CBSE Board	88.0%	2019
Secondary	CBSE Board	10	2017

## PROJECTS

- AI based Game**  
*Self Project* Github  
 – Created and Deployed a **Tic Tac Toe** game using the **p5.js** library.  
 – Implemented AI using the **Minimax** which is a **backtracking algorithm**. It is used for minimizing the possible loss in the worst case scenario.
- Notes Maintaining App**  
*Self Project* Github  
 – Developed a tech based web application using the **React.js** library of JavaScript.  
 – This app can be used to maintain notes for our daily purpose.
- Fake News Detection**  
*Self Project* Github  
 – Built a model to classify user-supplied news as fake or real using different NLP techniques  
 – Used various models like **Logistic Regression**, **Multinomial Naive Bayes**, **Random Forest**, **XGBoost** and **LSTM** for classification task and got the best test set accuracy of around **98%** for **LSTM**

## TECHNICAL SKILLS

- Programming:** Python, C/C++, JavaScript
- Web Technologies:** HTML, CSS, BootStrap, React, p5\*
- Tools/Frameworks:** Numpy, Pandas, Scikit Learn, Matplotlib, Tensorflow\*
- Miscellaneous:** Ansys Fluent\*, MS Excel
- Database Management:** MySQL \* Elementary proficiency

## KEY COURSES TAKEN

- Mathematics:** Linear Algebra, Basic Calculus, Discrete Math and Analyzing Social Graphs
- Web Development:** Web Development, Full Stack Development
- Machine Learning:** Data Science (IBM), Machine Learning Specialization(Stanford University)
- Programming:** Data Structures and Algorithms, Databases and SQL for DS with Python

## POSITIONS OF RESPONSIBILITY

- Head of Public Relations, Alcheringa**, Annual Cultural Festival of IIT Guwahati Apr. 2021 - Apr. 2022  
 – Public Relations Head of the **largest college event** held in North East India with a footfall of **140k+** people.  
 – Spearheaded an elite **3 tier team** consisting of **30 core team members**, **40 executives** and **100+ associate executives**.  
 – Crossed the milestone of **3k+ participation** in **20+ events** from **500+ colleges** from all over the India  
 – Guided webops team on planning and deciding the design and prototype of **5+ web interfaces**
- Core Team Member**, Ek Bharat Shrestha Bharat(EBSB) Club, IIT Guwahati 2019 - 2021  
 – Participated in the **Student Exchange Program** with our pairing institute, IIT-Jodhpur.  
 – Assisted **monthly webinars** and other competitions which were organized to mark the "**EBSB Day**" every month

## EXTRACURRICULARS

- Quantium**, Participated in the open access Quantium Virtual Experience Program with Forage. 2022
- IBM**, Created a Machine Learning Pipeline to analyze the landing of Falcon 9 rocket Launches 2022
- Hand Gesture Drone**, Software Development, Aeromodelling Club. 2019
- City Representative**, Pali, Rajasthan, Technothon, International School Championship. 2020
- Short Movie Making and Mime**, Manthan, Inter-Hostel Cultural Competition 2020
- Street Play**, XPRESSIONS - The Dramatics Society, IIT Guwahati 2019