



# Gunjan Dhanuka

Roll No.:200101038

B.Tech - Computer Science and Engineering

Minor in Robotics and Artificial Intelligence

Indian Institute Of Technology, Guwahati

+91-7240227672

d.gunjan@iitg.ac.in

gdhanuka192@gmail.com

Github | Website

linkedin.com/in/gunjan-dhanuka-1239781ba

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	9.09 (Current)	2020-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	- (Current)	2021-Present
Senior Secondary	CBSE Board	97.6%	2020
Secondary	ICSE Board	97.5%	2018

## PROJECTS

- IITG Access App** Ongoing  
*Students Web Committee, IIT Guwahati* Github Link
  - Working on developing app for IIT Guwahati campus to **digitalize the process of Mess Cards**.
  - Used **Flutter** for the app and **Firebase** as backend service. Generates **encrypted QR Code** and currently under testing in the campus.
- PokeDex Web App(Classify an image into one of 150 Pokemon classes)** Sept 2021  
*Personal Project* Github Link
  - Dataset of over **7000 images** was cleaned and augmented for greater accuracy.
  - Transfer Learning using the **DenseNet 201 Architecture** was employed for multiclass classification.
  - Deployed using **Streamlit** and **Heroku** for public usage. *Live app here!*
- Tomato Disease Classification using CNN** Aug 2021  
*Personal Project* Github Link
  - Collected data from the PlantVillage Dataset containing *12,768* images classifying Tomato Plant leaves into **eight classes**.
  - Used CNN Architecture which achieved a test set accuracy of **90 percent in 10 epochs**.
- Covid-19 Statistics Tracker Web Application** Jan 2021  
*Personal Project* Github Link
  - Built with React-JS to track the number of active cases, recovered and deaths due to Covid-19.
  - Fetches most recent data from API and used Chart-JS2 and Material-UI to show the data responsively.

## TECHNICAL SKILLS

- Programming:** Python, C/C++, Dart, Java\*
- Development::** Flutter, React\*, Node.js\*, Firebase
- Tools/Frameworks:** Keras, Tensorflow, Git
- Operating Systems:** Windows, Linux \* Elementary proficiency

## KEY COURSES TAKEN

- Computer Science:** Data Structures and Algorithms\*, Digital Design\*
- Mathematics:** Linear Algebra, Basic Calculus, Discrete Maths\*, Probability & Random Processes\*
- MOOC's:** Deep Learning Specialisation (by deeplearning.ai) \* Ongoing

## POSITIONS OF RESPONSIBILITY

- Co-ordinator,** Coding Club, IIT Guwahati Present
- Technical Co-Ordinator,** CSEA, IIT Guwahati Present

## ACHIEVEMENTS

- Team Rank 363 at ICPC Regionals 2021,** 2021
- Reliance Foundation Scholar in CS and AI,** Selected among 37 undergraduate students from IITs and NITs. 2021
- All India Rank 382,** Joint Entrance Examination Mains 2020 among 9 lakh candidates. 2020
- All India Rank 469,** Joint Entrance Examination Advanced 2020 among 2.45 lakh shortlisted candidates. 2020
- KVPY Fellowship,** Selected for the National Research Scholarship by the Department of Science and Technology in the SX Stream. 2020

## EXTRACURRICULARS

---

- **Brain Boosters National Abacus Competiton**, Won National Rank 1 and 3 in consecutive years.
- **Aqua Regia School Quiz 2017**, Selected among top 8 teams for National Finals among schools all over India.
- **Wiz National Spell Bee**, Secured State Rank 1 and National Finalist.
- **Dramatics**, Part of Xpressions, acted in a monologue as part of Monologue Carnival.
- **Team Technothon**, Part of the Question Paper Module for the biggest international examination for school students, conducted by students of IIT Guwahati.