



Amritanshu Rana

Roll No. : 200102010

B.Tech - Electronics and Communication Engineering

Indian Institute Of Technology, Guwahati

+91-8091027741

r.amritanshu@iitg.ac.in

shiv1999@gmail.com

Github

linkedin.com/in/amrit-seo

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.77 (Current)	2022-Present
Senior Secondary	HPBOSE Board	95.8%	2020
Secondary	CBSE Board	96.4%	2018

PROJECTS

- **AI-Virtual Painter** Dec 2021 - Mar 2022
Personal Project Github
 - Built a hand tracking and another panting module using python and Google's mediapipe framework, and integrated both of them to paint virtually using your fingers , Brushes can be changed with gestures.
 - Technology used: **Python, Mediapipe**
- **Codeforces Handler** Jan 2022 - Feb 2022
Personal Project Github
 - Built a chrome extension that helps users to effectively use the Codeforces website with features like upcoming contest reminder, Codeforces specific to-do list service, last 5 unsolved problems, recommended problems of varying difficulties.
 - Technology used: **JavaScript, HTML** and **CSS**.
- **Portfolio Website** Jun 2021 - Jul 2021
Personal Project Github
 - Designed and developed a **Responsive** Website to display my work and professional information in a creative way.
 - Used **Swiper js** to implement **flexible and touch-enabled** carousel constituting the core of the website.
 - Key Technologies: **HTML, CSS, JavaScript**.

TECHNICAL SKILLS

- **Programming Languages:** Python (Pandas, Numpy, Tensorflow, Pygame), C, C++
- **Web Technologies:** HTML, CSS, Javascript**
- **Hardware Description Language:** Verilog ** Elementary proficiency

KEY COURSES TAKEN

- **Computer Science:** Introduction to Computing, Computer Programming Lab
- **Electronics:** Digital circuits, Analog circuits, Control Systems, Signals and Systems, Semiconductor Devices, Measurement and Instrumentation
- **Mathematics:** Probability & Random Processes, Real & Complex Analysis, Linear Algebra, Differential Equation.

ACHIEVEMENTS

- **Mukhya Mantri Protsahan Yojna**, Awarded the MUKHYA MANTRI PROTSAHAN YOJANA scholarship for excellent performance in competitive engineering examinations. 2021
- **JEE**, Qualified JEE Mains and Advanced and ranked among top scorers out of 1 million and 0.2 million students respectively. 2020
- **Bord topper**, Rank 19 in Himachal Pradesh in HPBOSE Board examination. 2020
- **H.P Children Science Congress**, Himachal Pradesh First Position holder in activity corner. 2017

EXTRACURRICULARS

- **Mentor**, at Cepstrum, the student body of ECE and EEE deparment of IIT Guwahati.
- **Anchorenza & Radio G**, Hosted several Events for AnR club at, IIT Guwahati
- **Alcheringa**, Anchored an Event for Alcheringa the annual cultural fest at, IIT Guwahati