ANUVAB SEN

2nd year UG in Electronics and Telecommunication @ IIEST, Shibpur

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EXPERIENCE

Research Intern @ Indian Statistical Institute

Summer Research Intern

July 2021 – September 2021 | Kolkata, India

- Worked on and laid the foundation of the Project titled "Mapping areas using Computer Vision Algorithms and Applications" | Research Project
- Incorporated pose estimation model in drones using MPII dataset using Computer Vision
- Learnt generative adversarial networks (GAN) to implement them in Image Segmentation models
- Tripled the company's mobile base to over 600 million monthly active users and generated over $1 billion of mobile advertising revenue last year

Research Intern @ Jadavpur University, Kolkata

Winter Research Intern

Oct 2021 – Ongoing | Kolkata, India

- Predictive Analytics and Medical Image Segmentation used in Machine-assisted Diagnosis
- Practical application of Mask-R Convolutional Neural Network to increase the efficiency of detection of tumors

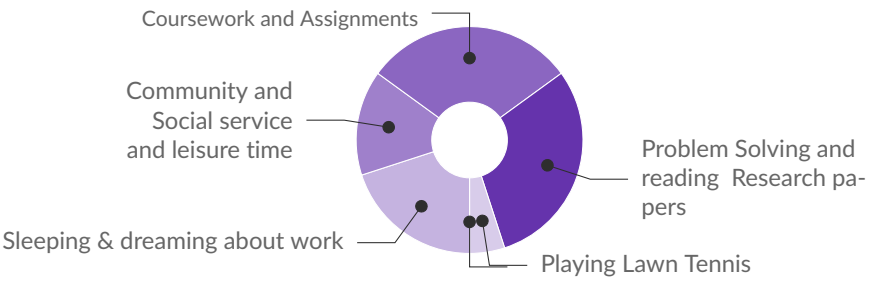
Girlscript Winter of Code & Contributing

Girlscript Foundation

Aug 2021 – Nov 2021 | Remote Work, Open Source

- Top Contributor in the domains of Machine Learning, Data Structures, and Mern Stack Development and made over 10 pull requests

MY TIME CHART



AWARDS & ACHIEVEMENTS

- **Top Contributor of Girlscript Winter of Contributing'21**
- **Alpha Microsoft Learn Student Ambassador**
- **Google Kickstart: Ranked 3148th among 7k participants in Round E, 2021 and 3165th among 9.35k participants in Round C, 2021**

MY INTERESTS

"Analog Electronics, Software Development & Machine learning"

PROJECTS

Quantum Computing Project
Prof. Subhamoy Moitra | Applied Statistics Department, ISI Kolkata

- Implemented Quantum Circuits using IBM Q Experience (OPENQASM 2.0) and Quiskit (Quantum Simulation Library in Python)

Tic Tac Toe game made by Python
Guide: Prof. Rajat De, Prof. Subhamoy Moitra | B.Tech Project |

- Developed a Convolutional Neural Network to detect for each cell in the grid whether there's an X, O or nothing.
- Demonstrated that and achieved an average efficiency score of 0.9891 ± 0.009 out of 1 with a limited dataset of 170 images

SKILLS AND EXPERTISE

Programming Languages

Soft skills

Python (24/24) | C, C++ (14/24) | JavaScript | Familiar: Sass, MIPS Assembly (10/24)

Tools and Libraries

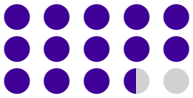
Hard skills

React, Git, Bash, HTML, CSS (20/24) | Motivator & Leader

Leadership | Community Work & Service

LANGUAGES

English
Bengali
French



EDUCATION

B.Tech. in Electronics

Indian Institute of Engineering Science and Technology, Shibpur

Jan 2021 – July 2024 [Expected]