

# Rajwrita Nath

+91 98362 83445 | [rajwrita.com](http://rajwrita.com) | [rajwritanath@gmail.com](mailto:rajwritanath@gmail.com) |  
[linkedin.com/in/rajwrita](https://www.linkedin.com/in/rajwrita) | [github.com/Rajwrita](https://github.com/Rajwrita) | [Google Scholar](https://scholar.google.com/citations?user=...) | [behance.net/rajwrita](https://www.behance.net/rajwrita) | [twitter.com/rajwrita](https://twitter.com/rajwrita) |

## EDUCATION

<b>Bachelor of Technology</b>   <i>Computer Science Engineering</i>   <u>SGPA: 8.14, 9.0, 9.45, 10.0, 9.88</u>	July 2018 – June 2022
Netaji Subhash Engineering College, MAKAUT affiliated	Kolkata, India
<b>Higher Secondary</b>   <i>Major: Statistics</i>	Jan. 2016 – Jan. 2018
Carmel High School	Kolkata, India

## EXPERIENCE

<b>Software Engineer- Regulatory Genome Project</b>	June. 2021 – Present
Developing machine learning models to classify text and extract data from regulatory information	University of Cambridge
<b>Research Intern- under Dr. Piyali Chatterjee</b>	Feb. 2021 – Present
working on Bioinformatics Journal under Oxford Academic	Netaji Subhash Engineering College
<b>Mentor- Winter of Code</b>	Nov. 2020 – Jan. 2021
Noted Application under GDSC NSEC	Google Developer Students Club NSEC
<b>Moderator- Manning Publications</b>	April 2020 – Present
Machine Learning and Deep Learning titles on Livebook platform	Remote

## SKILLS

**Courses:** Data Structures and Algorithms, DBMS, Computer Organisation and Architecture, Operating System, AI, OOP, Discrete Mathematics, Statistics, Calculus, Computer Networking, SQL, IT and Project Management  
**Programming:** Python (NumPy, SciPy, Matplotlib, Pandas), Java, C, Dart, C++  
**Tools:** GIT, Procreate, Adobe XD  
**Soft Skills:** Leadership, Public Speaking, Technical Writing, Event Management

## PROJECTS

<b>Using Classification Algorithms to generate negative PPI dataset</b>	June 2021
Using sub-cellular locations and pattern analysis to determine data set for negative protein protein interaction.	
<b>Image Segmentation on MRI images</b>	May 2020
Brain Tumor Auto-Segmentation for Magnetic Resonance Imaging using 3D U-net model	
<b>Noted Application</b>	Nov 2020
Organize notes for students in college, built using Dart and GitHub API. Illustrations using Procreate.	
<b>Sequence Models for Literature</b>	July 2020
Text generation model using Keras and TensorFlow to produce new lyrics. Blog link: <a href="https://go.rajwrita.com/LyricsGen">go.rajwrita.com/LyricsGen</a>	
<b>Anomaly Detection based on unsupervised learning</b>	Jan 2020
Uses Isolation Forest and K Means Clustering Algorithms, PCA. Detects glitches and alerts via email.	

## HONORS AND AWARDS

<b>Top 10 teams (Category: Digitalization) in Grand Idea Challenge, ISB AIC</b>	June. 2021
Selected for the final pitch round for the startup idea- <a href="#">Zusa</a>	
<b>Lead at Google Developers Students Club- NSEC</b>	Aug. 2020
Conducted online and offline technical workshops, leading a team of 9000 student developers	
<b>Google Women Techmakers Scholar</b>	July 2020
Selected and recognized as one of the 50 scholars from APAC by Google	
<b>Gold Medalist in International Informatics Olympiad</b>	Jan 2012
1st position holder in class and 26 state rank	

## VOLUNTEER EXPERIENCE

<b>Organizing team member at Google Developers Group - Kolkata</b>
Organized events, conducted workshops and delivered sessions impacting over 6000 developers
<b>Core team member at Women Techmakers - Kolkata</b>
Participated and organized events, encouraging women developers to rise and perform in tech spaces.