

# Rajwrita Nath

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## EDUCATION

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<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

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<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

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**Courses:** Data Structures and Algorithms, Computer Organisation and Architecture, Operating System, Artificial Intelligence, Compiler Design, OOP, Discrete Mathematics, Statistics, Calculus, DBMS, Computer Networking  
**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

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<b>Using Classification Algorithms to generate negative PPI dataset</b>	June 2021
Using sub-cellular locations and pattern analysis to determine dataset for negative protein protein interaction.	
<b>Zusa - fundraising platform</b> <i>Javascript, SCSS</i>	April 2021
Integrating advertisers and fund-collection. Selected for the final pitch round in GIC, Indian School of Business.	
<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> <i>Dart, GitHub API, Procreate</i>	Nov 2020
Organize notes for students in college, built using Dart and GitHub API. Illustrations using Procreate.	
<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

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<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- Zusa	
<b>Lead at Google Developers Students Club- NSEC</b>	Aug. 2020
Conducted online and offline technical workshops, leading a team of 5000 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

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**Organizing team member at Google Developers Group - Kolkata**  
Organized events, conducted workshops and delivered sessions impacting over 6000 developers

**Core team member at Women Techmakers - Kolkata**  
Participated and organized events, encouraging women developers to rise and perform in tech spaces.