

Rajwrita Nath

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EDUCATION

Bachelor of Technology | *Computer Science Engineering* | SGPA: 8.14, 9.0, 9.45, 10.0, 9.88, 9.59, 9.34 July 2018 – June 2022
Netaji Subhash Engineering College, MAKAUT affiliated Kolkata, India

Higher Secondary | *Major: Statistics* Jan. 2016 – Jan. 2018
Carmel High School Kolkata, India

EXPERIENCE

Software Engineer- Regulatory Genome Project Jan. 2022
Developing machine learning models to classify text and extract data from regulatory information University of Cambridge

Research Intern- under Dr. Piyali Chatterjee Feb. 2021 – Present
working on Bioinformatics Journal under Oxford Academic Netaji Subhash Engineering College

Mentor- Winter of Code Nov. 2020 – Jan. 2021
Noted Application under GDSC NSEC Google Developer Students Club NSEC

Moderator- Manning Publications April 2020 – Present
Machine Learning and Deep Learning titles on Livebook platform Remote

SKILLS

Courses: Data Structures and Algorithms, Database Management System, Operating System, AI, OOP, Discrete Mathematics, Statistics, Computer Networking, SQL, IT and Project Management

Programming: Java, C, Python, Dart, C++

Tools: GIT, Procreate, Adobe XD

Soft Skills: Leadership, Public Speaking, Technical Writing, Event Management

PROJECTS

Using Classification Algorithms to generate negative PPI dataset June 2021
Using sub-cellular locations and pattern analysis to determine data set for negative protein protein interaction.

Image Segmentation on MRI images May 2020
Brain Tumor Auto-Segmentation for Magnetic Resonance Imaging using 3D U-net model

Noted Application Nov 2020
Organize notes for students in college, built using Dart and GitHub API. Illustrations using Procreate.

Sequence Models for Literature July 2020
Text generation model using Keras and TensorFlow to produce new lyrics. Blog link: go.rajwrita.com/LyricsGen

Anomaly Detection based on unsupervised learning Jan 2020
Uses Isolation Forest and K Means Clustering Algorithms, PCA. Detects glitches and alerts via email.

HONORS AND AWARDS

Top 10 teams (Category: Digitalization) in Grand Idea Challenge, ISB AIC June. 2021
Selected for the final pitch round for the startup idea- Zusa

Lead at Google Developers Students Club- NSEC Aug. 2020
Conducted online and offline technical workshops, leading a team of 9000 student developers

Google Women Techmakers Scholar July 2020
Selected and recognized as one of the 50 scholars from APAC by Google

Gold Medalist in International Informatics Olympiad Jan 2012
1st position holder in class and 26 state rank

VOLUNTEER EXPERIENCE

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.