

Rajwrita Nath

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EDUCATION

Bachelor of Technology <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
Higher Secondary <i>Major: Statistics</i>	Jan. 2016 – Jan. 2018
Carmel High School	Kolkata, India

SKILLS

Courses: Data Structures and Algorithms, Computer Organisation and Architecture, Networking, Operating System, Artificial Intelligence, Compiler Design, OOP, Discrete Mathematics, Statistics, Calculus, Database
Programming: Python (NumPy, SciPy, Matplotlib, Pandas), Java, C, Dart, C++
Platforms: Linux, Windows, Google Cloud Platform
Tools: GIT, Procreate, Adobe XD
Document Creation: Microsoft Office Suite, LaTeX, Markdown
Soft Skills: Leadership, Public Speaking, Technical Writing, Event Management

EXPERIENCE

Software Engineer- Regulatory Genome Project	June. 2021 – Present
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	Netaji Subhash Engineering College
Mentor- Winter of Code	Nov. 2020 – Jan. 2021
Noted Application under DSC NSEC	Developer Students Club NSEC
Moderator- Manning Publications	April 2020 – Present
Machine Learning and Deep Learning titles on Livebook platform	Remote

PROJECTS

Using Classification Algorithms to generate negative PPI dataset	June 2021
Using sub-cellular locations and pattern analysis to determine dataset for negative protein protein interaction.	
LC-3-Virtual-Machine	Dec 2020
VM (simulating LC-3) with simplified instruction set to run assembly language programs	
Image Segmentation on MRI images	May 2020
Brain Tumor Auto-Segmentation for Magnetic Resonance Imaging using 3D U-net model	
Noted Application <i>Dart, GitHub API, Procreate</i>	Nov 2020
Organize notes for students in college, built using Dart and GitHub API. Illustrations using Procreate.	
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

Lead at Developers Students Club- NSEC (Powered by Google Devs)	Aug. 2020
Conducted online and offline technical workshops, leading a team of 5000 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.