

Rajwrita Nath

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EDUCATION

Bachelor of Technology <i>Computer Science Engineering</i> <i>SGPA: 8.14, 9.0, 9.45, 10.0</i>	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, 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

Research Intern under Dr. Piyali Chatterjee	Feb. 2021 – Present Netaji Subhash Engineering College
Mentor Winter of Code	Nov. 2020 – Jan. 2021 Developer Students Club NSEC
Moderator Manning Publications	April 2020 – Present Remote

PROJECTS

LC-3-Virtual-Machine VM (simulating LC-3) with simplified instruction set to run assembly language programs	May 2020
Image Segmentation on MRI images Brain Tumor Auto-Segmentation for Magnetic Resonance Imaging using 3D U-net model	May 2020
Noted Application <i>Dart, GitHub API, Procreate</i> Organize notes for students in college, built using Dart and GitHub API. Illustrations using Procreate.	Nov 2020
Anomaly Detection based on unsupervised learning Uses Isolation Forest and K Means Clustering Algorithms, PCA. Detects glitches and alerts via email.	Jan 2020
Use of Hyperbolic Geometry to detect the Hierarchical properties of words Poincaré Embeddings for Learning Hierarchical Representations	Jan 2019

HONORS AND AWARDS

Lead at Developers Students Club- NSEC (Powered by Google Devs) Conducted online and offline technical workshops, leading a team of 5000 student developers	Aug. 2020
Google Women Techmakers Scholar Selected and recognized as one of the 50 scholars from APAC by Google	July 2020
Gold Medalist in International Informatics Olympiad 1st position holder in class and 26 state rank	Jan 2012

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.