

Subrata Sarkar

+91 9002824700 subrotosarkar32@gmail.com Durgapur, West Bengal, India
in/subratasarkar32 github.com/SubrataSarkar32 stackoverflow.com/users/8269124

Education

Year	Degree/Exam	Department/Specialization	Institute	Board/University	Grades
2024	M.Tech.	Computer Science & Engg.	NIT Durgapur	NIT Durgapur	8.23/10
2021	B.Tech.	Computer Science & Engg.	GCECT	MAKAUT	9.24/10
2017	Class XII	Computer Science	Amrita Vidyalayam, Durgapur	CBSE	88%
2015	Class X	Science	Amrita Vidyalayam, Durgapur	CBSE	9.2/10

Professional Experience

Research Intern, ([Samsung Semiconductor India Research](#)) Bengaluru, IN 07/2023 - present

- Developed and implemented transformer based command line interface tool and graphical user interface tools for performing log anomaly detection reducing integration time by 90%.
- Received Spot Award for delivering POC of log anomaly detection using Transformer Neural Networks which also highlights important sections in anomaly text expected to reduce 70% human efforts

Project Engineer, ([Wipro](#)) WFH, Kolkata, IN 07/2021 - 08/2022

- Developed command line interface tool to automate daily reporting task.
- Received Trail Blazers Award for delivering 10 automation fixes on time as a team to support and maintain Managed File Transfer system

Research Intern, ([IISERB](#)) WFH, Bhopal, IN 06/2020 - 08/2020

- Developed shallow neural network architecture to classify malaria affected cells with 95% accuracy.
- Developed webapp and graphical user interface executable for easier deployment and achieving 100% accessibility for users having a desktop/laptop.

Publications

- Quantum Image Teleportation Based on Probabilistic Bit-Encoding Strategy (Dec. 2023) [Conference Paper, International Conference on Pattern Recognition and Machine Intelligence, Springer Nature Switzerland] - [ICPRMI](#)
- Pneumonia Detection based on X-ray image classification using Convolutional Neural Network based Deep Learning Model (Mar. 2021) [Article, Scientific Voyage Vol. 1 Issue 4, Scientific Voyage] - [Scientific Voyage](#)
- Malaria detection from RBC images using shallow Convolutional Neural Networks (Oct. 2020) [Preprint, ArXiv, ArXiv] - [ArXiv](#)

Online Courses & Certifications

- Introduction to Natural Language Processing (Aug. 2022) - [Analytics Vidhya](#)
- Neural Networks and Deep Learning (May. 2020) - [Coursera](#)

Skills

Languages: Python, C, C++, Java

Deep Learning Framework: Keras, Tensorflow, Pytorch, LangChain

Database Systems: MySQL, MariaDB, MongoDB, Firebase

Web Framework and Tools: Flask, Nginx, HTML5, CSS, JS

Code Editors: VS Code, Python IDLE, vim, nano, Atom

Version Control System: git, GitHub, BitBucket

Command Line Access and OSs: Terminal - Linux, CMD - Windows

Languages

- English** [Full professional proficiency]
- Hindi** [Limited working proficiency]
- Bengali** [Native]