

# Subrata Sarkar

## Project Engineer

Python enthusiast likes to automate all boring stuff | deep learning enthusiast

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📖 stackoverflow.com/users/8269124/subrata-sarkar

## EDUCATION

### M. Tech (Computer Science and Engineering) Nattional Institute of Technology, Durgapur

07/2022 - 08/2024

Durgapur, India pursuing

### B. Tech(Computer Science and Engineering) Government College of Engineering and Ceramic Technology

06/2017 - 07/2021

Kolkata, India 9.24

### 12th (Senior Secondary Examination) , Central Board of Secondary Education Amrita Vidyalayam

2017

Durgapur ,India 85%

### 10th (Secondary Examination) , Central Board of Secondary Education Amrita Vidyalayam

2015

Durgapur, India 84.7%

## WORK EXPERIENCE

### Research Intern

#### Samsung Semiconductor Research India

07/2023 - 06/2024

Bangalore

Log Analysis with transformer and LLM

- 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 Limited

07/2021 - 08/2022

WFH

Support and maintain Managed File Transfer

- Received Trail Blazers Award for delivering 10 automation fixes on time as a team to support and maintain Managed File Transfer system

## ACHIEVEMENTS

Qualified to ICPC Kharagpur Regionals 2019 [🔗](#)

Qualified Round 1B of Codechef Snackdown 2019 [🔗](#)

Coordinated coding event in college technical fest  
KARMATEK 2k19 (03/2019 - 03/2019)

## SKILLS

Python

Keras

Flask

HTML

SQL

C

C++

Java

CSS

## PROJECTS

### Built Intelligent West Bengal Bird identification System – Birdid (12/2022 - 06/2024) [🔗](#)

- Achieved 85.96% accuracy on test data (400+ classes) using Mobilenet\_v2. Windows executable and webapp developed.

### Built result management system for college - OpenResult (04/2020 - 07/2021) [🔗](#)

- Developed web app-based Result Management system for college. Implemented multiple security features such as email confirmation and password reset facility. 5 automatic excel and 2 PDF generation function for results.

### Pyhinavrophonetic - convert phonetic text to hindi (09/2016 - 08/2017) [🔗](#)

- English phonetic to Hindi Unicode conversion python package. A Hindi version of the official Python port for Avro. Available on pypi.

## PUBLICATIONS

### Quantum Image Teleportation Based on Probabilistic Bit-Encoding Strategy (01/2023 - 07/2023) [🔗](#)

We demonstrate a simulation of quantum image teleportation. Published in International Conference on Pattern Recognition and Machine Intelligence

### Pneumonia Detection based on X-ray image classification using Convolutional Neural Network based Deep Learning Model (07/2019 - 12/2020)

Achieved 89% accuracy on test data. Published in Scientific Voyage.

### Malaria detection from RBC images using shallow Convolutional Neural Networks (06/2020 - 08/2020) [🔗](#)

We achieved 95% accuracy with shallow CNN . Published in arxiv

## LANGUAGES

English

Full Professional Proficiency

Bengali

Native or Bilingual Proficiency

Hindi

Full Professional Proficiency

## INTERESTS

Automate boring stuff

Drawing

reading manga