Subrata Sarkar

Project Engineer

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

✉ subrotosarkar32@gmail.com

📍 Durgapur, West Bengal, India

github.com/SubrataSarkar32

📱 +91-9002824700

subratasarkar32.github.io

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*

Spot Award for delivering AI solution

- 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` `C` `C++` `Keras` `Java` `HTML`
`CSS` `SQL` `Flask`

PROJECTS

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

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. ⬀

TB and Pneumonia Detection using Deep Learning on X-Ray images (07/2019 - 12/2020) ⬀
- Achieved 89% accuracy on test data. Published in Scientific Voyage.

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.

CERTIFICATES

Internship on Malaria Detection under guidance of Dr.Kushal K. Shah(IISERB) (06/2020 - 08/2020) ⬀
Malaria detection from RBC images using shallow Convolutional Neural Networks

LANGUAGES

English
Full Professional Proficiency

Bengali
Native or Bilingual Proficiency

Hindi
Full Professional Proficiency

INTERESTS

`Automate boring stuff` `Drawing` `reading manga`