RAJARSHI LAHIRI

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GitHub link: https://github.com/cobalton

EDUCATION QUALIFICATION

Degree / Certificate	Board / University	Institute	Year of Passing	Aggregate
Bachelor of Technology, Dept. of Computer Science and Engineering	Maulana Abdul Kalam Azad University	Institute of Engineering & Management, Kolkata	2020	8.49
XII (Higher Secondary)	Council for the Indian School Certificate Examination	The Future Foundation School, Kolkata	2016	93.75%
X (Secondary)	Council for the Indian School Certificate Examination	The Future Foundation School, Kolkata	2014	91.6%

INTERNSHIPS

ADERNAL LABS

2nd June to 29th July, 2018
Frontend developer and debugger.

BIOTECH HUB- ASSAM UNIVERSITY

1st February to 31st March, 2019
Worked on a project developing and deploying a classifier to classify Mice Liver Cell Images

liver-tool.herokuapp.com

PROJECTS

Project Title: **Traffic Congestion Detection**

Designed a traffic congestion detection algorithm using background subtraction combined with contour detection.

Project Title*:* **Blink**

This project is built to help people with developmental disabilities like   LIS, ALS, Tetraplegia etc. to speak.It uses the webcam as an input device to detect blinks that simulate left and right clicks and lets user control a virtual keyboard.

Project Title*:* **Head controlled Mouse**

An application that computes 3D head pose from 2D video stream and moves the mouse cursor.

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Project Title: **Malicious URL Detector**

It is a utility tool that uses a simple but novel algorithm to detect malicious urls.

Project Title: **Social2Day**

A Web Forum to discuss social issue with or without login. The frontend was created using bootstrap using the materialize framework and the data storage was done using Firebase's realtime database.

Project Title: **Breast Cancer Histopathology Patch Wise Image Classification Using A Combination Of Deep Convolutional Neural Networks(Final Year Project)**

SUBJECTS

- Object Oriented Programming

- Data Base Management System

SKILLS

- Programming Languages   : C, Java, Python, HTML, CSS, JavaScript

- Frameworks & Libraries   : OpenCV, Bootstrap, Scikit-Learn, Keras

- Softwares& Tools   : Git, Jupyter

AWARDS & ACHIEVEMENTS

- I won the Techno Wiz Award for my technical contributions to college and also for my personal achievements.

- Best Contributor, **IEMGRAPH 2018**-Graphics International Conference on Emerging Technology in Modeling and Graphics at Institute of Engineering & Management, Kolkata

- Secured 2nd position in Hackstack 2018:Hackathon event of Innovacion(Tech Fest of Institute of Engineering & Management)

POSITIONS AND RESPONSIBILITIES

- *I.E.D.C Supervisor* (2019-)
  I.E.M. R&D Lab, sponsored by **I.E.D.C, Dept. of Science & Technology, Govt. of India**

- **Coordinator** - Kolkata Mini Maker Faire 2018

- **Coordinator** – Smart Maker Festival Kolkata 2019

CERTIFICATIONS

- Programming Data Structures & Algorithms Using Python-National Programme For Technology Enhanced Learning
  Scored 71%(Elite Category)

- Introduction to Deep Learning-National Research University Higher School of Economics-**Coursera**(Grade-97%)

PUBLICATIONS

- Detection of Pulsars Using an Artificial Neural Network-
  (Springer's Advances in Intelligent Systems and Computing series)Emerging Technology in Modelling and Graphics)
  ISBN-978-981-13-7403-6
  Chapter number -15,

- Detection of Necrosis in Mice Liver Tissue using Deep Convolutional Neural Network-Lecture Notes in Computer Science, vol 11942. Springer
  ISBN-978-3-030-34872-4

PERSONAL INFORMATION

Date of Birth: 10th August, 1998

Address: W2CS 18/4, Phase 3, Golf Green, Kolkata-700095

Languages known: English, Hindi and Bengali.

Hobbies: Photography and Logo Design