

Nilagnik Chakraborty

3rd Year Undergrad at Government College of Engineering and Ceramic Technology

Always striving to make applications which brings men and machine together

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WORK EXPERIENCE

Machine Learning Intern CDAC, Kolkata

09/2018 – Present

Kolkata, India

Worked as an ML intern with the NLP team at CDAC.

Tasks

- Worked on document forensics, forgery identification and writer verification by artificial intelligence. Successfully implemented an algorithm for line and word extraction from handwritten documents. Now working on deception detection by algorithmic extraction of psycho linguistic features.

Research Intern Jadavpur University

04/2018 – 08/2018

Kolkata, India

Tasks

- Developed a deep learning model with high accuracy of 96.01% to authenticate an individual's face by using a Siamese network. In the process we are found out various optimization heuristics of triplet-loss for very low epoch feature extraction. A research paper written in the process is submitted to ICICC 2019(Czech Republic).

Contact: Dr. Sarmistha Neogy – Professor Jadavpur University

Android Development Intern Ikure Techsoft Pvt Ltd

01/2018 – 03/2018

Kolkata, India

Tasks

- Worked alongside a wonderful team to develop android applications which revolutionize healthcare solutions specially at the last mile. I implemented an interface between the health workers and patients. The app comes with loads of other features like blood sugar monitoring, blood pressure monitoring, ECG reports and prescriptions issued by doctors..

EDUCATION

Bachelor of Technology

Government College of Engineering and Ceramic Technology

08/2016 – 05/2020

Major in Computer Science

- Maintaining a CGPA of 9.1/10 upto 4th semester

Senior Secondary

Central Board of Secondary Education

06/2014 – 05/2016

Science with Computer

- Secured 92.2% overall marks in 5 subjects

Secondary Education

Council for the Indian School Certificate Examinations

04/2014

Science with Computer

- Secured 94.6% overall marks

SKILLS

Pytorch

Keras

Numpy

Pandas

Scikit-Learn

Android Development(Java SDK)

Node.js

C++

SQL

MongoDB

Flask

Git

ACHIEVEMENTS

Selected Under Pytorch Scholarship Challenge Program by Facebook

Selected in Google India Reskilling Scholarship

Selected as best student in Maheshtala Municipality for performance in AISSCE'16

PERSONAL PROJECTS

512 Bits Encryption System (04/2018)

- Successfully developed a 512 bits encryption algorithm . It is a fast implementation and is inspired from the AES encryption system. A research paper development is in progress.

WE CARE (06/2018)

- Developed a full stack application for monitoring health of elders and thereby bridging the gap between doctors, patients and the loved ones. The app aims to create a new form of social fabrication.

Smile Analysis Application (12/2017)

- Implemented a KNN and Haar feature based expression classifier and served it in the form of an android application

Earthquake News App (10/2017)

- Created an android app for educational purposes. It is a quick informative display of details earthquake taking place around the globe in near real time.

CERTIFICATES

Deeplearning.ai 5 course specialization under professor Andrew Ng in Coursera

Scala programming Certification by IBM

Android Development Certification by Internshala

Intel Machine Learning Workshop conducted jointly with Indian Statistical Institute Kolkata