

Nilagnik Chakraborty

chakrabortynilagnik@gmail.com

3rd year B.Tech Computer Science student at Government College Of Engineering and Ceramic Technology with excellent academic record ,keen interest and practical exposure in the field of Psycho Linguistics, Document Forensics, Android app development, backend development and artificial intelligence.

ACADEMIC QUALIFICATION

Program	Institution	CGPA	Completion
B Tech(Computer Science & Engg.)	GCECT	9.10	Upto 4 th Sem
XII	CBSE Board	92.2 %	2016
X	ICSE Board	94.6 %	2014

TECHNICAL SKILLS

Programming Languages:

- Python for Deep-learning(Keras, Tensorflow)
- Python for inferential Machine Learning(Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn)
- Java-Android Development(Knowledge of Retrofit and Rx-Java , Realm persistence)
- Core Java
- JavaScript
- C/C++
- Linux/BASH

Web Technologies:

- Node.js
- Flask
- MySQL
- MongoDB
- Git/Github
- Firebase
- Selenium
- HTML, CSS

INTERNSHIPS

Intern Centre for Development of Advanced Computing

July'18

Document forensics, forgery identification and writer verification by artificial intelligence. Worked on line and word segmentation. Currently working on deception detection by algorithmic extraction of psycho linguistic features.

Research-Intern Jadavpur University

April'18

Research intern at Jadavpur University in artificial intelligence. Developing a deep learning model in to classify people's face by using a Siamese style network. In the process we are implementing Mahalonobis distance to find the dissimilarity of the feature vector, to truly achieve one shot learning. Paper due to be released in this October.

Ikure-Techsoft Pvt-Ltd

Jan-Mar'18

Worked alongside a wonderful team to develop android applications. The app is designed to revolutionize healthcare solutions even at the last mile. I implemented an interface between the health workers and patients. The patients can request a doorstep medical service from the nearest unit in no time, health worker on the other hand would receive an

instant notification. The app comes with loads of other features like blood sugar monitoring, blood pressure monitoring, ECG reports and prescriptions issued by doctors with graphical representation of the trends of the above.

ACADEMIC PROJECTS

512Bit	Encryption	System	April'17
Designed an unique 512 bit encryption system of its kind. Written in python the project is a part of the academic research project that I am undergoing under Prof. Bijoy Mondal (NIT Durgapur). The paper is in development stage and shall be released soon.			

Smile	Analysis	App	Jan'17
Using django created a REST-API which is used as an endpoint for smile detection. Then went on to make a native android application (Java) which can be used to recognize a face and its emotion. Used Open-CV for analyzing the data in this purpose.			

Earthquake	News	App	Oct-Nov'17
As a part of an individual project, developed a native android app which provides every bit of information about earthquakes which took place at any place on this earth. It provides information about earthquakes from the year 1940 to about 6 hours before the current time(As per USGC API service). The app is for school education purpose, the app is hosted in Github with the following link: https://github.com/agnibrainhack/Quake-Stats .			

Frenzy	Chat	App	Sep'17
Created a group discussion forum for students of my college. The app is extremely powerful with messaging as well as file sharing options, also comes with authentication. The app uses all features of firebase and is lightweight, it is hosted in Github with the following link: https://github.com/agnibrainhack/FrenzyAdda .			

Nearby	Places	App	Aug'17
A robust app which shows details about nearby places like restaurants ,hospitals etc. It is unique for its ability to be paired with other apps(Doesn't use pre imported code). The app uses Google-maps API, it is hosted in Github with the following link: https://github.com/agnibrainhack/AddMapsToEverything .			

TRAININGS & CERTIFICATIONS

- | | |
|--|-------------------|
| • Intel Machine learning Workshop – Indian Statistical Institute Calcutta | Jul'18 |
| • Six weeks Android Development training & certification -Internshala | Jun-Jul'17 |
| • Deeplearning.AI by Andrew Ng at Coursera (Undergoing 2 nd Course in Specialization) | Current |

ACHIEVEMENTS

- Selected in Google Challenge Scholarship for Android development conducted by Google and Udacity.
- Chosen as the best student in Maheshtala Municipality area for performance in AISCSE-17 conducted by CBSE.

EXTRA-CURRICULAR ACTIVITIES

- Analysing evolution of defence technologies and functioning of troops around the globe.
- Love to travel and impart knowledge from other cultural groups of the country.
- Hobbies include graphology and human behaviour analysis.