



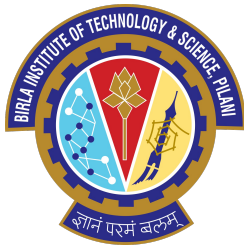
INDRANEEL GHOSH

Course : M.Sc. (Hons.), Biological Science and B.E. (Hons.), Computer Science, 2021

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CGPA : 8.25



ACADEMIC DETAILS					
COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	Science(PCM With Electrical Maintenance)	PACE Junior Science College, Nerul	Maharashtra State Board of Secondary & Higher Secondary Education	86.9 %	2016
CLASS X		Apeejay School, Nerul	Central Board of Secondary Education	96.4 %	2014

Subjects / Electives	Probability and Statistics, Discrete Structures for Computer Science, Linear Algebra and Complex Analysis, Data Structures and Algorithms, Object Oriented Programming, Differential Equations
Technical Proficiency	C++, Java, Python, Deep Learning

SUMMER INTERNSHIP / WORK EXPERIENCE	
Summer Intern, CSIR-Central Electronics Engineering Research Institute	May 2019 - Present
<ul style="list-style-type: none">Worked on building Deep Learning models for the problem:"Pain Detection using Facial Images"Built a preliminary CNN-RNN network using Pytorch.Currently working on building an autoencoder based implementation which can be used to identify manifold learning patterns.The autoencoder model is being adapted from a model developed by School of Informatics and Computing, Indiana University	
Development Intern, CSIR-IMMT	May 2018 - Jul 2018
<ul style="list-style-type: none">Website section built on .NET Platform. A database was built using Microsoft SQL Server.Web pages created were to be hosted on the institution's LAN to streamline the workflow.Built an android application for the same.(Using Cordova and Android Studio)	

PROJECTS	
Blockchain for Securing Elections - Blockchain	Jul 2019 - Present
<ul style="list-style-type: none">Project is being done as a part of the Microsoft Code.Fun.Do++ 2019The task is to build a secure blockchain-based system for Elections using Microsoft Azure Products(Azure Blockchain)	
MATLAB Modelling of Bird Mating Patterns - Mathematical Modelling of Biological Systems	Jan 2019 - Present
<ul style="list-style-type: none">MATLAB modelling of Hamilton's kin selection theory applied to study the tolerance of extra pair copulation. The model was built for three generations of birds.	
Logic Programming - Logic Programming	Nov 2018 - Dec 2018
<ul style="list-style-type: none">Automated Indian Penal Code: On entering a set of base predicates the program can predict if an individual is guilty or not.	

POSITION OF RESPONSIBILITY	
Chief Editor - BITS Academic Periodical Society(FreeLunch)	May 2019 - Present
<ul style="list-style-type: none">Currently the Chief Editor for the academic year 2019-2020.(Was previously Section Editor of Science and Technology)	

AWARDS AND RECOGNITIONS	
Best Paper Award Apogee BITS, Pilani	Apr 2019
<ul style="list-style-type: none">Awarded €100 worth of coupons by Springer.Implemented a keras model merging CNN and RNN and compared the efficiency of the model with a model built with only CNN for Classification of White Blood Cell Images.	
Homi Bhabha Balvaigyanik Exam The Greater Bombay Science Teachers' Association	Feb 2013
<ul style="list-style-type: none">Awarded Silver Medal and a one time scholarship of INR 500.	

COMPETITIONS	
Facebook Hacker Cup(Qualification Round)	May, 2019

SCHOLARSHIPS	
Secure and Private AI Scholarship	Apr 2019
Among the top 5000 applicants around the world selected for the scholarship program by Udacity.	
Academic Scholarship	Sep 2013
Awarded a Scholarship of INR 400 Per month for the Academic Year 2013-14 for outstanding academic performance.	