



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		Database Systems, Probability and Statistics, Introduction to Bioinformatics, Object Oriented Programming, Computer Programming, Linear Algebra and Complex Analysis, Discrete Structures for Computer Science, Data Structures and Algorithms, Differential Equations			
Technical Proficiency		Python, Keras, C++, Writing Skills, Deep Learning, Web Development, Java			
SUMMER INTERNSHIP / WORK EXPERIENCE					
Summer Research 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 adated 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					
MATLAB Modelling of Bird Mating Patterns - Mathematical Modelling of Biological Systems			Jan 2019 - Present		
<ul style="list-style-type: none">Design-Oriented Project CourseMATLAB 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.Projects funded by Science and Engineering Research Board,India.					
Logic Programming - Logic Programming			Nov 2018 - Dec 2018		
<ul style="list-style-type: none">Lead a three-man team to implement an automated version of the Indian Penal Code. I was responsible for writing and the preliminary debugging of the entire code. Implementation was done in Prolog.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			May 2019 - Present		
<ul style="list-style-type: none">Chief Editor for the academic year 2019-2020.Previously Section Editor of Science and TechnologyResponsible in negotiating agreements with Harvard Business Review Ascend to make them our Career Development Partner.					
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.					
International Mathematics Olympiad Science Olympiad Foundation			Dec 2014		
<ul style="list-style-type: none">Awarded Gold Medal for Zonal Excellence.					
Homi Bhabha Balvaigyanik Exam The Greater Bombay Science Teachers' Association			Feb 2013		
<ul style="list-style-type: none">Awarded Silver Medal for being in the Top 50 rankers in the State of Maharashtra.Received a one-time scholarship of INR 500.					
CERTIFICATIONS					
NAME			CERTIFYING AUTHORITY		
Introduction to Corporate Finance			Coursera		

COMPETITIONS		
Facebook Hacker Cup(Qualification Round)		May, 2019
TEST SCORES		
TEST NAME	DATE OF EXAM	SCORE
State Talent Search Examination	Jun 23, 2013	Rank: 23
SCHOLARSHIPS		
Secure and Private AI Scholarship		Apr 2019
Among the top 5000 applicants around the world selected for the scholarship program. This program was sponsored by Facebook and Udacity		
Academic Scholarship		Sep 2013
Awarded a Scholarship of INR 400 Per month for the Academic Year 2013-14		
LANGUAGES KNOWN		
Hindi, English, Bengali		