

ARGHYADIP CHAKRABORTY

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EDUCATION

Indian Statistical Institute, Bangalore 3rd Year, Bachelor of Mathematics (B.Math)	July 2019 - Present
Ramakrishna Mission Vidyapith, Deoghar All India Senior School Certificate Examination Central Board of Secondary Education	June 2017 - April 2019 Percentage: 95.6%
Acme Academy, Kalna Indian Certificate of Secondary Education Council For The Indian School Certificate Examinations	April 2012 - April 2017 Percentage: 95.6%

COURSES UNDERTAKEN

Semester I

Algebra I, Analysis I, Computer Science I, Probability Theory I, Writing of Mathematics

Semester II

Analysis II, Algebra II, Physics I, Probability Theory II

Semester III

Analysis III, Algebra III, Optimization, Physics II, Statistics I

Semester IV

Algebra IV, Computer Science II, Graph Theory, Statistics II, Topology

Semester V

Combinatorics, Complex Analysis, Differential Geometry I, Physics III, Statistics III

Semester VI (Ongoing)

Analysis IV, Computer Science III, Differential Equations, Introduction to Differential Topology, Physics IV

ACADEMIC PROJECTS

Data Structures in C <i>Instructor: Prof. Megha Nugehally, ISI Bangalore</i> Aim of the project was to implement various Data Structures using C	Semester Project November 2019 GitHub
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Rapid Prediction of Soil Quality Indices <i>Instructor: Prof. Rituparna Sen, Applied Statistics Unit, ISI Bangalore</i> Aim of the study was to apply Near Infrared Spectroscopy (N.I.R.S) in determining soil macro-nutrients namely N, P and K. Prediction models used to predict N, P and K were established using principal component regression algorithm followed by leverage validation	Semester Project October 2020 - December 2020 GitHub
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ACADEMIC ACHIEVEMENTS

- Ranked 54th in Bachelor of Mathematics entrance examination of Indian Statistical Institute
- Ranked 13663th in JEE Advance & 19858th in JEE Mains
- Ranked 9th in entrance examination of Presidency University, Calcutta
- Ranked 3rd in Graph Theory & Combinatorics in class

PROJECTS

Library Management

High School Project (2018)

Python project to manage Members, Books, Issuing & Returning Books, etc in a Library.

CHAOS 2020

December 2019 - March 2020

Role: Web Developer, Poster Designer, Social Media Manager

[Website](#)

Built website for CHAOS, the Annual Cultural Fest of ISI Bangalore. Designed posters and managed social media accounts.

LIMIT 2020

January 2020 - October 2020

Role: Exam Organizer, Tech Team Member, Poster Designer, Social Media Manager, Camp Organizer

Organizer of LIMIT, an International Online Mathematics Competition organized by the Students & Research Scholars of ISI Bangalore. Managed websites, databases, social media accounts, designed posters, solved queries and provided technical assistant to exam takers. Organized an Online LIMIT Camp and developed discord bot to automate services in Camp.

LIMIT 2021

January 2021 - October 2021

Role: Exam Organizer, Tech Team Leader & Guide, Camp Organizer

Organizer of LIMIT & Online Camp. Setup and managed servers, databases, CI/CD and automation. Developed and deployed Django based backend software. Developed discord bot to automate services in Camp. Handled finances and guided junior team members.

ansible-media-stack

[GitHub](#)

Ansible playbook to deploy a range of open-source softwares for a self-hosted media server.

zoom

[GitHub](#)

Simple tool to join your regular Zoom meetings faster, specially useful for students with a lot of links to manage for their daily Zoom classes during the pandemic.

LIMIT 2022

January 2022 - Present

Role: Tech Team Member & Guide

[Website](#)

Setup and maintaining CDN, CI/CD and containerized backend software. Guiding junior team members.

OTHER COURSES

NPTEL: Programming, Data Structures and Algorithms using Python

Instructor: Prof. Madhavan Mukund, Chennai Mathematical Institute

NPTEL: Cloud Computing

Instructor: Prof. Soumya Kanti Ghosh, IIT Kharagpur

NPTEL: Introduction to Automata, Languages and Computation

Instructor: Prof. Sourav Mukhopadhyay, IIT Kharagpur

ACADEMIC INTERESTS

Algorithms & Data Structures, Coding Theory, Cloud Computing, Databases, Graph Theory, Natural Language Processing, Networking & Security, Operating Systems, Programming, Software Engineering

SKILLS

Technical

Python, C/C++, Go, Javascript, Java, HTML + CSS, Database Management (SQL, MongoDB), Cloud (AWS, Oracle Cloud, Docker, Ansible, Terraform), R, \LaTeX and others

Languages

Bengali(Native), English(Fluent), Hindi(Fluent)

PROFESSIONAL EXPERIENCE

- **Subject Matter Expert** in Computer Science, Chegg India Private Limited
- **Cloud & Web Developer** at LibYard Ecommerce Private Limited
- Offered **Software Engineering Internship** at [Willis Towers Watson](#) from May 2022

SERVICES AND OUTREACH PROGRAMMES

- Experienced and participated in various social services under Ramakrishna Mission Vidyapith, Deoghar
- Coached high school students in Computer Science & Mathematics

HOBBIES

Video Games, Carrom, Volleyball, Table Tennis, Listening to Music

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge.

Place: West Bengal, India

Arghyadip Chakraborty