ARGHYADIP CHAKRABORTY

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EDUCATION

Indian Satistical Institute, Bangalore   July 2019 - Present
3rd Year, Bachelor of Mathematics (B.Math)

Ramakrishna Mission Vidyapith, Deoghar   June 2017 - April 2019
All India Senior School Certificate Examination   Percentage: 95.6%
Central Board of Secondary Education

Acme Academy, Kalna   April 2012 - April 2017
Indian Certificate of Secondary Education   Percentage: 95.6%
Council For The Indian School Certificate Examinations

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   Semester Project
Instructor: Prof. Megha Nugehally, ISI Bangalore   November 2019
Aim of the project was to implement various Data Structures using C   [GitHub]

Rapid Prediction of Soil Quality Indices   Semester Project
Instructor: Prof. Rituparna Sen, Applied Statistics Unit, ISI Bangalore   October 2020 - December 2020
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   [GitHub]

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 static site for the CHAOS, the Annual Cultural Fest of ISI Bangalore. Designed posters and managed social media handles of Chaos.

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 handles of LIMIT, designed posters, solved queries & provided technical assistant to exam takers. Organizer of Online Camp. Developed discord bot to automate services in the Camp.

LIMIT 2021   January 2021 - October 2021
Role: Exam Organizer, Tech Team Leader & Guide, Camp Organizer

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

ansible-media-stack   [GitHub](#)
Ansible playbook to deploy a range of open-source applications for a self-hosted media server.

zooom   [GitHub](#)
Simple tool to join your regular Zoom meetings faster, specially useful for students who have a lot of links to manage for their daily Zoom classes.

LIMIT 2022   January 2022 - Present
Role: Tech Team Member & Guide   [Website](#)

Setting up and maintaining Backend Server, CDN and CI/CD for 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

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

Gaming, 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