

ARGHYADIP CHAKRABORTY

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EDUCATION

Chennai Mathematical Institute
MS Computer Science

July 2022 - Present

Indian Statistical Institute, Bangalore
Bachelor of Mathematics (Honours)

July 2019 - May 2022
CGPA: 8.9/10

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 (MS)

Semester II

Algorithms, Big Data and Distributed Computing, Data Mining and Machine Learning, Natural Language Processing, Programming Language Concepts

Semester I

Blockchains, Concurrent Programming, Information Retrieval, Mathematical Logic, Programming in Haskell, Theory of Computation

COURSES UNDERTAKEN (BMATH)

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

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

ACADEMIC ACHIEVEMENTS

- Ranked 54th in Bachelor of Mathematics entrance examination of Indian Statistical Institute
- Received admission offer for Masters Computer Science Program from Institut Polytechnique de Paris

PROJECTS

Ethereum Word Game

Course Project (Dec 2022)

Instructor: Prof. Madhavan Mukund and Prof. S P Suresh, CMI

[GitHub](#)

Antakshari like word game on the Ethereum Blockchain

Craww

Course Project (Nov 2022)

Instructor: Venkatesh Vinayakarao, CMI

[GitHub](#)

Gemini Protocol Crawler written in Rust

Rapid Prediction of Soil Quality Indices

Course Project (Oct - Dec 2020)

Instructor: Prof. Rituparna Sen, ISI Bangalore

[GitHub](#)

Prediction models built on NIRS data to predict soil macro-nutrients namely N, P and K using Principal Component Regression followed by Leverage Validation

LIMIT

January 2020 - July 2022

Role: Organizer, Developer, DevOps, SysAdmin

[Website](#)

Organized LIMIT (Exam and Camp). Developed websites and bots. Managed systems and CI/CD.

Zoom

[GitHub](#)

Simple tool to join scheduled Zoom meetings in a click

Ansible Media Stack

[GitHub](#)

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

ACADEMIC INTERESTS

Cloud Computing, Computer Networks, Information Retrieval, Natural Language Processing, Operating Systems, Programming Languages

SKILLS

Technical

Python, Rust, Javascript, Java, C/C++, Haskell, Solidity, Go, HTML + CSS, Database (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 January 2020 - February 2020
- **Cloud and Web Developer** at LibYard Ecommerce Private Limited August 2020 - November 2020
- **Software Engineering Intern** at [Willis Towers Watson](#) May 2022 - June 2022

SERVICES AND OUTREACH PROGRAMMES

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

Arghyadip Chakraborty