

# ARGHYADIP CHAKRABORTY

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## EDUCATION

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**Chennai Mathematical Institute**  
MS Computer Science

July 2022 - Present

**Indian Statistical Institute, Bangalore**  
Bachelor of Mathematics (Honours)

July 2019 - May 2022  
Percentage: 84.46%

**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)

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### 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)

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### 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

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

## PROJECTS

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### 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

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

## SKILLS

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### Technical

Python, Rust, Javascript, Java, C/C++, Haskell, Solidity, Go, HTML + CSS, R,  $\text{\LaTeX}$ , Database (SQL, MongoDB), Cloud (AWS, Oracle Cloud, Docker, Ansible, Terraform), etc.

### Languages

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

## PROFESSIONAL EXPERIENCE

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- **Software Engineering Intern** at [Willis Towers Watson](#) May 2022 - June 2022
- **Cloud and Web Developer** at LibYard Ecommerce Private Limited August 2020 - November 2020
- **Subject Matter Expert** in Computer Science, Chegg India Private Limited January 2020 - February 2020

## SERVICES AND OUTREACH PROGRAMMES

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

## HOBBIES

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

## DECLARATION

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

Place: Kalna, India

Arghyadip Chakraborty