ARGHYADIP CHAKRABORTY

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EDUCATION

Chennai Mathematical Institute   July 2022 - Present
MS Computer Science

Indian Statistical Institute, Bangalore   July 2019 - May 2022
Bachelor of Mathematics (Honours)   CGPA: 8.9/10

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 (MS)

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 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
- Received admission offer for Masters Computer Science Program from Institut Polytechnique de Paris

PROJECTS

Library Management — High School Project (2018)
Python project to manage Members, Books, Issuing & Returning Books, etc in a Library. [GitHub]

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.

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

zooom [GitHub]
Simple tool to join scheduled Zoom meetings in a click.

ACADEMIC INTERESTS

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

SKILLS

Technical	Python, C/C++, Go, Javascript, Java, Haskell, 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