ARGHYADIP CHAKRABORTY

+91 7001978534 ◇ Kalna, West Bengal, India, 713409

arghyadip.chak@gmail.com ◇ https://arghyac.com ◇ https://www.linkedin.com/in/arghyadipchak

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
Concurrent Programming, Function Programming (Haskell), Information Retrieval, Mathematical Logic, 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.

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 and 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 and 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.

zooom [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

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

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