

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

Percentage: 84.46%

Ramakrishna Mission Vidyapith, Deoghar

All India Senior School Certificate Examination

June 2017 - April 2019

Central Board of Secondary Education

Percentage: 95.6%

COURSES UNDERTAKEN

MS

Algorithms, Big Data and Distributed Computing, Blockchains, Concurrent Programming, Data Mining and Machine Learning, Information Retrieval, Mathematical Logic, Natural Language Processing, Programming Language Concepts, Programming in Haskell, Theory of Computation

BMath

Algebra, Analysis, Combinatorics, Complex Analysis, Computer Science, Differential Equations, Differential Geometry, Differential Topology, Graph Theory, Optimization, Physics, Probability Theory, Statistics, Topology

PROJECTS

Ethereum Word Game

Course Project (Dec 2022)

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

[GitHub](#)

- Built an antakshari like word game on the Ethereum Blockchain

Tools: Solidity, Truffle & Ganache, TypeScript, Node.js, Svelte, TailwindCSS

Craww

Course Project (Nov 2022)

Instructor: Venkatesh Vinayakarao, CMI

[GitHub](#)

- Built an Gemini (protocol) Capsule crawler in Rust

Tools: Rust, SQLite, Docker

Customer Service ChatBot

Summer Internship (May - June 2022)

Mentor: Rajarshi Ray, WTW

- Built a ChatBot POC that infers customer's issue & sentiment from chat text using NLP

Tools: Java, Python, fastText, JavaScript, React, Docker

Rapid Prediction of Soil Quality Indices

Course Project (Oct - Dec 2020)

Instructor: Prof. Rituparna Sen, ISI Bangalore

[GitHub](#)

- Built Prediction Models on NIRS data to predict soil macro-nutrients namely N, P and K using Principal Component Regression & Leverage Validation

Tools: Python, R

Zoom

[GitHub](#)

- Built a command line tool to join scheduled Zoom Meetings

Tools: Go

LIMIT

January 2020 - July 2022

Role: Organizer, Developer, DevOps, SysAdmin

[Website](#)

- Developed website and bots
- Managed in-campus and cloud systems and databases
- Managed automated deployments (CI/CD)

Tools: JavaScript, Node.js, React, TailwindCSS, Python, Django, MariaDB, MongoDB, AWS, Oracle Cloud, Docker, Ansible, Terraform

SKILLS

Technical Python, Rust, JavaScript, Java, C, Haskell, Solidity, Go, HTML + CSS, R, L^AT_EX, Database (SQL, MongoDB), Cloud (AWS, Oracle Cloud, Docker, Ansible, Terraform), etc.

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

PROFESSIONAL EXPERIENCE

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

HOBBIES

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