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) — Percentage: 84.46%

Ramakrishna Mission Vidyapith, Deoghar — June 2017 - April 2019
All India Senior School Certificate Examination — Percentage: 95.6%
Central Board of Secondary Education

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 and 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 and Leverage Validation

Tools: Python, R

Zooom — 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, R, HTML + CSS, Git, GitHub, LaTeX, 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