Arghadip Chakraborty

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EDUCATION

Netaji Subhash Engineering College 2017 – 2021
B.Tech, Computer Science and Engineering, CGPA: **8.5/10**

Raiganj Coronation High School 2010 – 2017
X: **91.3%**, XII: **84%**

EXPERIENCE

GSSoC' 20 Contributor | GirlScript Foundation Mar '20 – May '20

- Contributed to **3** different projects of the GirlScript Summer of Code '20 (3 months long Open Source development program conducted by GirlScript Foundation).

Technical Content Writer Intern | GeeksforGeeks Oct '19 – Jan '20

- Published **20+** technical articles on various technical topics related to different data structures, algorithms and library functions of different programming languages along with the code snippets.
- Link to all approved articles: *https://tiny.cc/gfg-articles*

Open Source Contributor Aug '19 – Sep '19

Contributed to **10+** open source projects of different open source organisations.

- fnplusgeek/Python-scripts-collection: *https://github.com/fnplus/Python-scripts-collection/commits?author=arghac14*
- OpenGenus/cosmos: *http://github.com/opengenus/cosmos/commits?author=arghac14*

SKILLS

Languages: C++, C#, JavaScript, Python
Libraries/Frameworks: Node, Express, Vue, React, ASP.NET Core, Bootstrap
Other Tools/Technologies: Git, Github/Bitbucket, SQL Server/MySQL
Soft Skills: Public speaking, Technical writing, Leadership, Team management, Adaptability

PROJECTS

- **Cinemy:** A progressive web application built with **Materialize CSS, Node.js and MySQL** database using Tmdb API, where users can explore a wide range of movies, get similar movie recommendations and track their watch history.
  - Link: *http://github.com/arghac14/Cinemy*
- **BlogFeed:** A multi-user blogging platform built with MERN (**MongoDB, Express, React, Node**) stack with cloud-based image and video management service cloudinary.
  - Link: *http://github.com/arghac14/BlogFeed-v2* ● Live Demo: *https://blogfeedv2.herokuapp.com*
- **Customer Churn Analysis:** A hybrid model consisting of **Ensemble classifier, K-prototype clustering** model and association rule mining model (**Apriori algorithm**) to analyze customer churn data with majority voting technique for both feature selection and classification on IBM Watson telecom dataset.
  - Link: *https://github.com/arghac14/Customer-Churn-Analysis*
- **Class balancing module:** A preprocessing module to reduce imbalanced dataset by **Consensus Clustering** (**undersampling** approach) and validating the changes using different classifier models.
  - Link: *https://github.com/arghac14/UndErNsembled*

RESEARCH

- **"A New Hybrid Feature Selection-Classification Method to Identify Churned Customers"** co-authored by *A Chakraborty, D Sinha, SR Molla, S Giri* got accepted for oral presentation and publication in the *5th International MCCS conference-2020*. The proposed model is superior (accuracy: **82.41%**) to other existing models.

VOLUNTEER EXPERIENCE

- Mentored **10+** students in the 3 months long open source development program 'StudentCode-In '20'.
- Developer and co-ordinator of the college Linux user group & open source community 'GNXNSEC'.

ACHIEVEMENTS

- Ranked **56th** in 'GirlScript Summer of Code '20' among 2000+ participants.
- **4 Star (1800+)** rated in Codechef. (Codechef ID: argha_c14)
- Solved **500+** problems on Leetcode/Hackerrank/Codechef.
- Among top 50 nationwide finalists in the 'GeeksforGeeks Technical Scripter Event '20'.