

# Sohel Raja Molla

Portfolio: [sohelraja.github.io](https://sohelraja.github.io)  
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Location: Kolkata, W.B., INDIA

## Education

- **Netaji Subhash Engineering College** Kolkata, West Bengal, India  
*Bachelor of Technology – Computer Science and Engineering; GPA: 7.848 / 10* (July 2017 – July 2021)
- **12<sup>th</sup> Class (2017)** : Marks: 78.2% ; Board: WBCHSE ; School : Rahimpur Nabagram High School.
- **10<sup>th</sup> Class (2015)** : Marks: 77.0% ; Board: WBSE ; School : Tiljala Brajanath Vidyapith.

## Experiences

- **GSSoC'20 Contributor | GirlScript Foundation** (Mar'20 – May'20)  
Contributed to a project of GirlScript Summer of Code 2020 (3 month long open source program conducted by GirlScript Foundation). To check my contributions: <https://www.gssoc.tech/profile.html?id=sohelraja>
- **Technical Content Writer | GeeksforGeeks** (Mar'20 – Ongoing)  
Published articles on various technical topics related to data structure, algorithms, applications of different programming languages with code snippets etc. To check all the articles: <http://tiny.cc/articles-gfg>
- **Internshala Student Partner 16 | Internshala** (Dec'19 – Feb'20)  
Worked as a Campus Ambassador of Netaji Subhash Engineering College.

## Skills

- **Programming Languages** : Python, Java, C++, C.
- **Familiar with** : Reactjs, SQL, MySQL, Numpy(Basic), Pandas(Basic), Sklearn(Basic).
- **Tools and Utilities** : Git/Github, Git Bash, Jupyter Notebook, Spyder, Pycharm, DevC++, Visual Studio Code.
- **Core Technical Skills** : Data Structures, Analysis of Algorithms, OOP, DBMS.
- **Soft Skills** : Technical Writing, Public Speaking, Flexibility.

## Projects

- **The Gallery (Web)**: A mern stack based fully functional with auth functionality and responsive for all devices built with Reactjs, Nodejs, Expressjs, MongoDB, MaterializeCSS, CSS etc. where user can follow another users, create public or private post, like and comment on public posts etc. Code Link: <https://github.com/SohelRaja/The-Gallery>
- **Customer Churn Analysis (Machine Learning)**: A hybrid model consisting of decision tree classifier, k-prototype clustering and association rule mining models using majority voting technique for both feature selection and classification. Code Link: <https://github.com/SohelRaja/Customer-Churn-Analysis>
- **WeSpeak (Web)**: A real-time multiple users chatting web application built with Reactjs, Nodejs, Socket.io, CSS. Live Demo: <https://wespeak.herokuapp.com> , Code Link: <https://github.com/SohelRaja/wespeak>

## Research

- **"A New Hybrid Feature Selection-Classification Method to Identify Churned Customers"** co-authored by **Sohel Raja Molla**, Arghadip Chakraborty, Disha Sinha, Shankhadeep Giri, Chandra Das and Shilpi Bose got accepted for oral presentation and publication in the **5<sup>th</sup> International MCCS conference-2020**. The proposed model is superior (accuracy: 82.41%) to other existing models.

## Volunteer Experiences

- Co-ordinator and developer of college *linux user group* and open source community : **"GNX-NSEC"**.
- Event Head Weby Award - a web development contest (Annual Technical Fest : **Avenir'20**).
- Organizing member of departmental cultural fest : **Melange'19**.

## Achievements

- One of the recipients of **Google Foobar Challenge'2020**.
- 3 star (1650+) rated at **Codechef**. Profile Link : [https://www.codechef.com/users/srm\\_10](https://www.codechef.com/users/srm_10)
- Winner in RoboSoccer (Manual Robotics Competition) in **AAHAVAHAN'18** (NSEC Intra College Techfest'18).