

Somnath Bera

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EDUCATION

Government College of Engineering and Ceramic Technology

Kolkata, India | 2019-2023

BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE AND ENGINEERING; CGPA: 9.64

Coursework: Data Structures and Algorithms; Database Management System

SKILLS

- Languages: Java, JavaScript, C
- Web Development: VB.net, HTML/CSS, Node.js
- Databases: Oracle SQL, MySQL, MongoDB
- Tools: Git, GitHub, Remix, Postman

WORK EXPERIENCE

NATIONAL INFORMATICS CENTRE (MEITY) | PROJECT INTERN | CERTIFICATE

Kolkata | June – July, 2022

- Worked on implementation of Smart contracts based State Excise Supply Chain Management System on **Ethereum** Blockchain improving Traceability, Authenticity, Transparency and Data security.
- Ensured traceability through IoT enabled real-time update and QR scanning during shipments.

STEEL AUTHORITY OF INDIA LIMITED | PROJECT INTERN | CERTIFICATE

Remote | Feb - Sep, 2022

- Developed a Reverse Mentoring System to aid knowledge sharing amongst SAIL employees.
- Technologies used: VB.net, Oracle SQL

PROJECTS

MULTI-LAYER DIGITAL VALIDATION OF BANKING CHEQUE WITH DIGITAL SIGNATURE

FINAL YEAR PROJECT | FEBRUARY 2022 - ONGOING

- The proposed concept mainly focuses on digital verification of cheques using various data hiding concepts and secure encryption techniques for better confidentiality of the data addressing all the major data security issues.

REVERSE MENTORING MODEL

2022 | TECHNOLOGIES USED: VB.NET • ORACLE SQL

- A Reverse Mentoring System to aid knowledge sharing amongst SAIL employees, especially making the senior officials aware of newer technologies by the junior employees.

SNAKE GAME AND BUBBLE SHOOTER GAME

2021 | TECHNOLOGIES USED: HTML CANVAS • JAVASCRIPT

- In bubble shooter game, a player shoots bubbles coming from all directions until any bubble touches the shooter.
- In snake game, the snake eats randomly generated foods by changing its direction.

COURSEWORK

- **Wipro TalentNext Digital Skills Readiness Program on Java**
- **Web Development Training by Internshala**
- **Blockchain and its Application by NPTEL**
- **Joy of Computing Using Python by NPTEL**

May - Sept 2022 | Certificate

June - July 2022 | Certificate

Jan - Apr 2022 | Certificate

Sep - Dec 2020 | Certificate

VOLUNTEER EXPERIENCE

PROJECT COORDINATOR AT TARAKESWAR GREEN MATES

TARAKESWAR | PRESENT

- Worked on several People's Biodiversity Register (PBR) projects in collaboration with West Bengal Biodiversity Board. Conducted various awareness programs on Environment, Nature-Wildlife and Science Related Issues.