


Brangong Sisen Singpho

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EDUCATION

- **National Institute of Technology, Silchar** Assam, India
Bachelor of Technology in Computer Science; CGPA: 6.52 *May. 2018 – Current*
- **Vivekananda Kendra Vidyalaya, Dibrugarh** Assam, India
Higher Secondary School; CGPA: 8.23 (78.2/100) *May. 2015 – April. 2017*
- **Zenith Child School, Namsai** Arunachal Pradesh, India
Secondary School; CGPA: 8.00 *March. 2011 – April. 2015*



PROGRAMMING SKILLS

- **Languages:** C, C++, Javascript
- **IT Constructs:** DS and Algorithms, OOPS, OS and DBMS
- **Development tools:** Microsoft Visual Studio, Sublime Text
- **DB language:** SQL

EXPERIENCE

- **Satyendra Nath Bose Summer Internship** NIT Silchar
Research Internship *June 2021 - Current*
 - Gained knowledge of how quantum circuits work and wrote a review paper on **Linear Optical Quantum circuits**.
 - Performed simulation of grover search algorithm in an optical quantum simulator.

PROJECTS

- **Lets Chat App:** </> SOURCE CODE
 - Developed a private chat web-application with the backend on **Node.js** and **Express.js**.
 - Implemented using **socket.io** for real time updates.
 - Deployed on the web with **heroku**. 
- **SortVisualiser:** </> SOURCE CODE
 - Developed a web application using **Javascript**, **CSS** and **HTML** for visualization of sorting algorithms .
 - The application allows the user to select sorting algorithm, speed of the visualization and size of the input array.
 - Deployed on the web with **netlify**. 
- **Password Manager:** </> SOURCE CODE
 - Developed an app to manage passwords securely and easily with **python**
 - All the passwords are stored in a **SQLITE** database and are **hashed** for secure transactions.
 - Created an executable file for ease of access.

ACCOMPLISHMENTS

- Solved more than 500 questions in GFG/leetcode