

# DEBADIPTO BISWAS

Silchar, Assam

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## Education

### National Institute of Technology, Silchar

Bachelor of Technology in Electronics and Communication Engineering (CGPA of 8.63)

August 2019 – June 2023

Assam, India

### Kendriya Vidyalaya Silchar

Class XII (Percentage of 92.6%)

April 2018 – March 2019

Assam, India

### Kendriya Vidyalaya Silchar

Class X (CGPA of 10)

April 2016 – March 2017

Assam, India

## Experience

### MathWorks

Intern in EDG (Engineering Development Group)

May 2020 – July 2020

Bengaluru(Remote), India

- Worked on the enhancement of coverage job script which is used to submit jobs in cluster.
- Analysed the coverage job script and implemented solutions to run the script from both Linux and Windows platform. Added unit tests for capturing the updated behaviour of the coverage job script.
- Resolved queries on MATLAB Answers and closely observed the technical support process.
- Skills learned: Perl, MATLAB

## Projects

### SpongeVerse | Node.js, Express, Socket.IO and A-Frame | [Github](#)

- Designed an immersive web based 3D world for online shopping.
- The platform supports the concurrent joining of multiple users with accompanied by the functionality to interact with each other.
- It allows the users to buy products and try apparels on their avatar.

### Ohmic Circuit Solver | C++ | [Github](#)

- Designed a circuit solver to compute the value of current across each branch of a given linear circuit.
- The circuit input is received as a graph and is converted into a spanning tree to determine cycles corresponding to each loop in the circuit.
- The cycles are processed to deduce KVL equations, which are then solved using Gaussian elimination.

## Technical Skills

Languages: C, C++, JavaScript, SQL

## Achievements

- ICPC 2020 Kanpur Regional Round Rank - **25** out of 300+ teams.
- ICPC 2020 Preliminary Round Rank - **151** out of 300+ teams.
- Google CodeJam 2021 Round 1 Rank **1118**, Round 2 Rank **2046** among 8k participants.
- Google CodeJam 2022 Round 1 Rank **1356**, Round 2 Rank **2775** among 8k participants.
- Google Kick Start 2021 Round B Rank **1971**, among 7k participants.
- NITS Hacks 2021 Rank - **17** out of 100+ teams.
- NIT Warangal CodeRythm 1.0 - ranked **4** out of 340+ participants.
- Solved more than 1000+ problems across platforms.

## Profile Links

- [Codeforces](#) (Max Rating: **1715**, Expert)
- [Codechef](#) (Max Rating: **2019**, 5\*)

## Extra - Curricular

- Moderator at NITS Coding Club