

ROUNAK GHOSH

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EDUCATION

Government College of Engineering and Textile Technology, Berhampore
Bachelor of Technology in Electrical Engineering | CGPA: 9.32/10 (till 7th semester)

Aug 2019 – Jul 2023
Berhampore, West Bengal, India

Bidhan Chandra Institution

Higher Secondary Education | Score: 77.2%

Apr 2018 – May 2019
Durgapur, West Bengal, India

St. Xavier's School

Secondary Education | Score: 86.33%

Apr 2016 – Mar 2017
Durgapur, West Bengal, India

EXPERIENCE

West Bengal Power Development Corporation Limited (WBPDC)

Vocational Trainee

Jul 2022 – Aug 2022
Bakreshwar, West Bengal, India

PROJECTS

Bloom - a social media site | ReactJS, Express, NodeJS, MongoDB | Jun 2023

[Code](#)

- Employees a login page where the user's data is saved in a database in MongoDB, also performs CRUD operations. It uses JWT for authentication and authorization.
- Uses React Hooks and Redux for state management, async operations are performed using redux-thunk.
- The backend is built using Express.js and Mongoose for database modeling. The webapp is built using RESTful APIs to perform all the requests made to access data.

Sorting Visualizer | HTML, CSS, JavaScript | Jan 2023

[Code](#) | [Website](#)

- Visualized various sorting algorithms inside a UI built with VanillaJS.
- Demonstrated sorting with colored bars, and arranged ascending order.

Navic - an EV navigational site | HTML, CSS, JavaScript, TomTom API | Dec 2021

[Code](#) | [Website](#)

- Conceptualised a website envisioned for early adopters of electric vehicles to provide assistance.
- Users can safely route through places using the navigator feature without any range anxiety.
- Nearest charging stations can also be found and routed to as a mid-stop.

Amazon Clone | HTML, CSS, ReactJS, Firebase | Aug 2022

[Code](#)

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Home Automation using Alexa | Arduino | Apr 2022

[Code](#) | [Demo Video](#)

- A simple electrical circuit which controls 4 devices through 2.4GHz WiFi and a mobile app.
- Remotely operated from anywhere and everywhere in the world provided both devices are online.

SKILLS

Languages: C++, Java, JavaScript, Python
Dev Tools: Version control using Git

Frameworks: ReactJS, Node.js, Express.js
Databases: SQL, MongoDB, Mongoose

ACHIEVEMENTS

- Solved 100+ problems on LeetCode.
- 5 stars in Problem Solving, 5 stars in Java and 4 stars in C at HackerRank.
- Came 3rd in Designathon, a graphic design competition on Figma organised by BlueLearn.

INTEREST

- Photography
- Reading Tech Blogs
- Building mini projects