Nabhodipta Garai

https://github.com/brownboycodes

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Programming Languages

- JavaScript
- Python
- Dart
- SQL

Frameworks & Libraries

- Flutter
- React JS
- Node JS
- Express

Other Skills

- Object Oriented Programming
- Data Structures
- Problem Solving
- Cognitive Flexibility
- HTML & CSS
- Databases

Education

The Byramjee Jeejeebhoy College of Commerce,
Bachelor of Commerce   July 2015 – April 2019

Professional Training

Harvard University (OpenCourseware - edX),
CS50   September 2016 – December 2016
HSA Dev Bootcamp   December 2016 – January 2017

Experience

Full Stack Developer, The Lighthouse Saviour Project   June 2020 - Present

- Responsible for researching & defining user's needs and problems, and also ideation of the app
- Designed the user interface and UX, implemented mobile first design
- Developed the user interface with vanilla JavaScript so that programmers specializing in machine learning or data science who don't know web development or UI libraries could build their own prototype from scratch
- Designed the API endpoints
- Achieved 20% increase in overall performance by migrating from SQL to NoSQL database
- Debugged and removed errors
- At present developing & integrating user authorization and authentication system and developing the user interface with React JS

Web Developer, Freelance   June 2016 - Present

- Designed and developed websites for events at colleges, small businesses and portfolio websites for artists

Projects

FrontendMentor Challenges

Description: Coding challenges to create web pages identical to the UI design provided

Built using: HTML, CSS, JavaScript

Links to Solutions: https://www.frontendmentor.io/profile/brownboycodes

The Lighthouse Saviour Project

Description: The lighthouse saviour project is a crowdsourced minority report, an application to display locations which are potentially life threatening for women, so that crimes can be prevented from happening. Initially began as a research project - Project RSF from 2018 to 2019, recreated in 2020.
Currently exploring the predictive possibilities by using Machine Learning to study data like that of pornhub insights, internet live stats, google trends, census of India 2011, crime in India 2019

Built using: google trends, geolocation API, leaflet, cartodb, openstreetmap, HTML, CSS, JavaScript, Node JS, express, mongoDB

Link to Project: https://the-lighthouse-saviour-project.herokuapp.com

Source Code: https://github.com/brownboycodes/lighthouse-saviour-project-heroku

Social Networking App   (Personal Project)

Description: A minimalistic social networking application with features like publishing posts and chat messaging with other users. This application was created to demonstrate my ability to create user authorization and authentication system, API protection, database integration and management, and creation of properly functioning non-persistent chat messaging system.

Built using: React JS, react-bootstrap, bootstrap, formik/yup, redux, react-query, passport js, mongoDB, nedb, HTML, CSS, NodeJS, express, socket io, JavaScript

Link to Project: https://brownboycodes-social.herokuapp.com

Source Code: https://github.com/brownboycodes/brownboycodes-social-network

ToDo List   (Personal Project)

Description: A ToDo list with the ability to save the list to local storage

Built using: Flutter, Dart, React JS, JavaScript, HTML, CSS, material ui, formik/yup, redux, nanoid, local storage

Link to Project: https://brownboycodes-todo-list.vercel.app

Source Code: https://github.com/brownboycodes/ToDo_List

Source Code (for flutter app): https://github.com/brownboycodes/todolist_in_flutter