NIRNAY BEHERA

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EDUCATION

B.Tech in Computer Science and Engineering, National Institute of Technology, Rourkela	Expected 2024
Intermediate, DAV, Public School, CDA	2020
Matriculation, DAV, Public School, CDA	2018

SKILLS

Programming Languages	Javascript, Typescript, Node.js, HTML5, CSS3, Sass, C++, Python, SQL, Solidity
Frameworks Libraries	React, Next.js, Redux, Tailwind CSS, Express, MongoDB, GraphQL, REST API
Tools and Technologies	Git, GitHub, Docker, Kubernetes, Amazon Web Services
Operating Systems	Windows, Linux - Ubuntu, Linux - Kali
Soft Skills	Creative Thinking, Communication, Adaptability

EXPERIENCES/NOTABLE PROJECTS

AI Photo Generation Web App Implemented an **MERN** web app utilizing OpenAI for generating personalized photos based on prompts, promoting creative exploration and expression. Used **MongoDB** for storing database and tailwindcss for styling.

Sentiment Analysis This project implements a sentiment analysis model using machine learning techniques. It uses a neural network trained on dataset of IMDB reviews to classify new reviews as positive or negative. The model is hosted using **Django** as backend and the user interface using **React**.

Ethereum Lottery App Implemented a secure Ethereum-based lottery system leveraging smart contracts and blockchain technology, ensuring transparent and tamper-proof random selection of winners.

Pathfinding Visualizer Developed a visually interactive pathfinding visualizer using ReactJS, enabling users to gain insights into the workings of complex algorithms like **Dijkstra's algorithm**.

Portfolio Website Designed and developed a sleek and responsive portfolio website showcasing my projects, skills, and achievements.(Try it here)

ACHIEVEMENTS/CERTIFICATIONS

Lyft Back-end Engineering Virtual Experience Program - Forage Created the software architecture using the knowledge of UML and used python to refactor existing codebase, write unit testing, and added some new features using test-driven development.

Postman API Fundamentals Student Expert gained knowledge and skills in using Postman for designing, building, and testing APIs. I learned the basics of RESTful API development, including HTTP methods, response codes, and headers. I also gained proficiency in using Postman's features such as collections, environments, and scripting to automate testing and streamline the API development process.

EXTRA-CURRICULAR ACTIVITIES

- **Photographer in Thirdeye** - I actively pursued photography as an extracurricular activity. Through capturing diverse subjects and experimenting with composition, lighting, and post-processing, I continuously strive to refine my skills and expand my knowledge. Photography is an endless journey of learning, and I eagerly embrace the opportunity to further explore and grow in this captivating art form.

- **Open Source Contribution** - I recently started exploring open source contributions and instantly fell in love with it. The joy of collaborating with like-minded developers and making meaningful contributions to projects is truly inspiring. I am eager to continue learning and growing through open source contributions.