

# DHANANJOY KUMAR BRAHMA

Full Stack Web Developer

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🌐 <https://github.com/Dhananjoy333> 🔗 <https://dhananjoy-brahma.vercel.app/>

## ACADEMIC BACKGROUND

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### Bachelor of Technology

NATIONAL INSTITUTE OF TECHNOLOGY, NAGALAND

CGPA - 8.32

### Higher Secondary(11th AND 12th)

ST FRANCIS D'ASSISI HIGH SCHOOL, GUWAHATI

PERCENTAGE - 79.8%

### 10th standard

THE REALITY PUBLIC SCHOOL, KOKRAJHAR

PERCENTAGE - 91.6%

## SKILLS

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- NextJS
- HTML 5
- CSS 3
- JavaScript
- Node.js
- ReactJS
- Python
- Express.js
- PostgreSQL
- Rest API
- GSAP
- Typescript

## WEB PROJECTS

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### Personal Portfolio Website [🔗](#)

Tech Stack: NextJS, Tailwind CSS, Framer Motion

- Built a responsive portfolio using Next.js and Tailwind CSS.
- Showcases projects, skills, and contact info.
- Implemented smooth navigation and animations.
- Deployed using Vercel

### Go Cart [🔗](#)

Tech Stack: NextJS, Tailwind CSS, Clerk Auth, NeonDB, Redux Toolkit

- **E-Commerce Website** : Website where user can buy all necessary products.
- **Multi-Vendor Architecture**: Allows multiple vendors to register, manage their own products, and sell on a single platform.
- **Customer-Facing Storefront**: A beautiful and responsive user interface for customers to browse and purchase products.
- **Vendor Dashboards**: Dedicated dashboards for vendors to manage products, view sales analytics, and track orders.
- **Admin Panel**: A comprehensive dashboard for platform administrators to oversee vendors, products, and commissions.
- **Deployment** : Deployed using Vercel

## World Quiz [↗](#)

Tech Stack: React, Express.js, PostgreSQL, REST API, Clerk Auth, NeonDB

- Developed a full-stack geography quiz game using **Next.js**, **Node.js**, and **PostgreSQL** with multiple gameplay modes.
- Implemented flag-to-country and country-to-capital quiz modes with a retro-style interactive UI.
- Refactored the application from React to Next.js, improving performance and routing architecture.
- Optimized quiz data loading by replacing database fetches with local **JSON-based data handling** for faster response times.
- Used **Zustand** for global highscore state management across the homepage and game modes.
- Integrated **Clerk authentication**, global leaderboard functionality, and **REST APIs** for gameplay and score management.
- Deployed the application using **Vercel**.

## Code Box [↗](#)

Tech Stack: NextJS, Tailwind CSS, Clerk, NeonDB, Sandpack

- **E-learning platform** : Modern e-learning platform with pixelated ui.
- **Multiple Courses** : Multiple Courses and Chapter with each chapters having multiple exercises.
- **User Dashboard** : Clean user dashboard with progress accross courses like enrolled courses, exercises completed etc.
- **Coding Environment** : Interactive coding environment powered by Sandpack.
- **Deployment** : Deployed using Vercel

## INTERNSHIPS

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### Industrial Trainee

06/2023 – 07/2023

IOCL Barauni

### Trainee Program

03/2023 – 04/2023

Nagaland tool room and training centre

## COLLEGE PROJECT

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### MODELING THE MECHANICAL AND CHEMICAL BEHAVIOUR OF FRP LAMINATED COMPOSITE MATERIAL (BAMBOO AND JUTE) USING ARTIFICIAL NEURAL NETWORKS

- Conducted a **college research project** on **FRP laminated composites (Bamboo and Jute fibers)** to study mechanical and chemical properties.
- Created composite material samples and performed **experimental testing** to obtain data such as **tensile strength, elasticity, and fretting behavior**.
- Applied **Artificial Neural Networks (ANN)** using **supervised learning** to predict material properties based on experimental input data.
- Used **MATLAB Neural Network Toolbox** to design, train, and evaluate the predictive model.
- Analyzed the relationship between **material composition and mechanical performance** using ANN-generated results.
- Gained practical exposure to **machine learning concepts, data-driven modeling, and engineering experimentation**.

## CERTIFICATES

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### Data Science & Machine Learning

IIT Guwahati (1-Year Program | Ongoing / Completed – Year)

- Completed a **1-year intensive program in Data Science and Machine Learning**, covering mathematical foundations and practical implementation.
- Studied **core machine learning algorithms** including Linear & Logistic Regression, K-Means, DBSCAN, Perceptron, and Multi-Layer Perceptron (MLP).
- Gained hands-on experience with **data preprocessing, cleaning, and analysis** using **NumPy and Pandas** on large datasets.
- Implemented **data visualization and exploratory data analysis (EDA)** using **Matplotlib and Seaborn**.
- Learned **deep learning architectures** such as **CNNs, LSTMs, Transformers, and GANs**, understanding their use cases and training workflows.
- Worked with **SQL and database systems** for data storage, querying, and integration with analytics pipelines.

## LANGUAGES

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Bodo

English

Hindi

Assamese

## QUALITIES

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- Teamwork
- Creativity
- Communication
- Adaptability
- Work Ethics
- Punctual
- Time Management