

NILAY GHOSH

Agartala, Tripura, India

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LinkedIn

GitHub

Portfolio

Education

Brainware University

B.Tech in Computer Science and Engineering (AIML) — CGPA: 8.28

2022 – 2025

Barasat, Kolkata, West Bengal

Gomati District Polytechnic

Diploma in Electrical Engineering — CGPA: 7.06

2019 – 2022

Fulkumari, Udaipur, Gomati, Tripura

Technical Skills

Languages: Python, JavaScript, HTML, CSS

Frameworks / Libraries: React, Node.js, Express.js, Tailwind CSS, Scikit-learn, TensorFlow, Pandas, NumPy

Developer Tools: VS Code, Git, GitHub, Google Colab

Technologies: API Integration, AI/LLM Integration, Machine Learning, Responsive Web Design, REST APIs

Experience

Webguru Infosystems Pvt. Ltd.

Aug 2024 – Oct 2024

Intern – Node Fundamentals & GPT Model Integration

- Worked on Node.js fundamentals and integrated GPT-based workflows into backend systems.
- Developed APIs to generate intelligent responses using LLM-powered logic.
- Optimized backend performance and resolved issues to ensure smooth processing.
- Gained hands-on experience in deploying and testing AI-driven applications.

Projects

GenFolio – AI Portfolio Generator | React, Node.js, Tailwind CSS, AI Integration

GitHub

- Developed an AI-powered tool that generates complete portfolio websites using user inputs such as skills, projects, and themes.
- Implemented real-time preview functionality using iframe rendering for instant website visualization.
- Built backend logic to dynamically generate HTML, CSS, and JS files and deliver downloadable ZIP packages.

Disease Prediction Using ML | Python, Scikit-learn

GitHub

- Implemented machine learning models including Decision Tree, Random Forest, and Naïve Bayes for predicting diseases from symptoms.
- Performed data preprocessing, feature selection, and built a simple interactive UI for real-time predictions.

Chatbot Application | JavaScript, Gemini AI

Live

- Created a conversational AI chatbot integrating Google Gemini for intelligent, contextual responses.
- Designed a clean and minimal UI with real-time conversation tracking and smooth message flow.

ExamAI Portal | HTML, CSS, JavaScript

Live

- Built a study assistance portal offering dynamic daily learning plans for competitive exam aspirants.
- Integrated an AI-based study helper to give quick guidance and personalized suggestions.
- Designed an interactive, responsive UI with animations to improve user engagement and experience.

Certifications

Machine Learning Explainability

Kaggle Learn

Certificate Link

Google Analytics Certification

Google Skillshop

Certificate Link

Data Science & Machine Learning

Geeks for Geeks

Certificate Link

Python

HackerRank

Certificate Link