



# NILAY GHOSH

Agartala, Tripura, India

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LinkedIn

Github

🌐 Portfolio

## Education

### Brainware University

2022 – 2025

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

Barasat, Kolkata, West Bengal

### Gomati District Polytechnic

2019 – 2022

Diploma in Electrical Engineering — CGPA: 7.06

Fulkumari, Udaipur, Gomati, Tripura

## Technical Skills

**Programming:** Python, JavaScript

**Web Development:** HTML, CSS, React.js, Node.js, Express.js, REST APIs, API Integration, Responsive Design

## Experience

### Directorate of Information Technology, Government of Tripura

Jan 2026 – Present

Content Developer

Agartala, India

- Developed a full-stack web application using React.js, Node.js, and PostgreSQL.
- Created REST APIs for data handling and document generation.

### Webguru Infosystems Pvt. Ltd.

Aug 2024 – Oct 2024

Software Development Intern – Backend & LLM Integration

Kolkata, India

- Built backend services using Node.js and Express.js to process application requests.
- Integrated GPT-based APIs to generate automated context-aware responses.

## 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.
- 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