Nilay Ghosh

Agartala, Tripura, India

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Education

Brainware University	**2022 – 2025**
B.Tech in Computer Science and Engineering (AIML)	*Barasat, Kolkata, West Bengal*
Gomati District Polytechnic	**2019 – 2022**
Diploma in Electrical Engineering	*Fulkumari, Udaipur, Gomati, Tripura*
Kamalghat H.S. School	**2018 – 2019**
10th Standard	*Kamalghat, Fatikchhara, Tripura*

Technical Skills

Languages: C, Python, SQL, HTML, CSS, JavaScript
Developer Tools: VS Code, Jupyter Notebook, Google Colab, Excel
Technologies/Frameworks: GitHub, Scikit-learn, Pandas, NumPy, TensorFlow, OpenCV

Experience

Unified Mentor Pvt. Ltd. — **August 2024**
Data Analyst Intern

- Managed, cleaned, and processed large datasets to support business decision-making.
- Developed data pipelines using **Python** and automated reporting in **Excel**, reducing manual work by 30%.
- Performed exploratory data analysis (EDA) to identify trends and actionable insights.
- Collaborated with cross-functional teams to ensure accuracy and consistency of data workflows.

Webguru Infosystems Pvt. Ltd. — **Aug 2024 – Oct 2024**
Intern – Node Fundamentals & GPT Model Integration

- Worked on **Node.js fundamentals** and implemented GPT model integration into existing workflows.
- Developed and tested APIs to interact with GPT models for intelligent response generation.
- Collaborated with the development team to troubleshoot and optimize performance.
- Enhanced understanding of back-end development and AI model deployment in real-world applications.

Projects

ExamAI Portal | *HTML, CSS, JavaScript* — **Live Project**

- Built a responsive web portal with smooth navigation, dark/light theme toggle, and interactive study plans.
- Implemented AI-powered study assistant demo and scroll-based animations for better UX.

Disease Prediction Using ML | *Python, Scikit-learn* — **GitHub**

- Developed ML models (Decision Tree, Random Forest, Naïve Bayes) for disease prediction.
- Performed data preprocessing and deployed a simple web interface for predictions.

Chatbot Application | *JavaScript, Google Gemini AI* — **GitHub**

- Created a web-based chatbot using Google Gemini API for intelligent responses.
- Designed a clean, responsive interface and enabled real-time conversation tracking.

Relevant Coursework

- Data Structures
- OOPs
- Machine Learning
- Operating Systems
- DBMS
- Software Engineering

Certifications

Google Analytics Certification	**2024**
Google Skillshop	*Certificate Link*
Data Science & Machine Learning	**2024**
Geeks for Geeks	
Python (Basic)	**2024**
HackerRank	*Certificate Link*