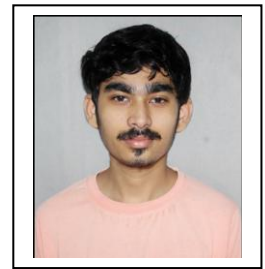# Mrinmay Nath

✉ mrinmaynath1@gmail.com / ☎ 7427967553
⌗ github.com/Mrinmay-Nath / in linkedin.com/in/mrinmay-nath/

Objective

Motivated and adaptable professional with a strong foundation in software development, data analysis, and problem-solving. Skilled in Python, Java, SQL, and web technologies, with a keen interest in innovation and efficiency. Seeking an opportunity to contribute my technical expertise, analytical thinking, and teamwork skills to a dynamic organization while continuously learning and growing in a challenging environment.

Skills

- **Languages:** C, Python, Html, CSS, JavaScript, MySQL.

- **Frameworks :** Django.

- **Technologies & Tools:** Visual Studio Code, Docker, Git, GitHub, Linux, WordPress, Blogger.

- **Coursework:** Data Structures and Algorithms , Oops Concepts, Python, Computer Networks, Database Management System, Artificial Intelligence, Machine Learning,etc.

Education

BRAINWARE UNIVERSITY , KOLKATA   Sep 2021 - Jul 2025 (Expected)

B.Tech in Computer Science Engineering - Data Science   *SGPA: 9.43/10*

Project Work

1. **Certificate Generator - Automated Certificate Creation with Python (2024):**
   - Designed and built an automated certificate generator using Python, EasyGUI, and Pathlib.
   - Automated the generation of 500+ certificates for an online training program, reducing manual effort by 80%.
   - Improved efficiency and accuracy in bulk certificate creation for large-scale events.

2. **A State of the Art Analysis of Genetic Algorithm in Cryptography (2023):**
   - Researched and implemented symmetric key cryptography using algorithms like AES, key exchange protocols, and secure communication protocols for network security and data protection.

3. **Cracking the Fake: AI/ML Framework for DeepFake Detection (Ongoing):**
   - Building a system to detect DeepFake videos and images using AI and Machine Learning.
   - Using deep learning models (CNNs) to find fake facial features and inconsistencies.
   - Working with Python, TensorFlow, OpenCV, and PyTorch for data processing and model training.
   - Training on large datasets to improve detection accuracy.
   - Aiming to improve cybersecurity and digital media safety by stopping fake content.

Awards and Certificates

- **Best Paper Award for "Advancements in Dark Web Exploration:** A Comprehensive Approach Integrating Web Crawling, Data Analysis, and User Friendly Interfaces

- **Internal Hackathon (SIH 2023):** SMART INDIA HACKATHON

- **TechGenesis-2K23-The Birth of Idea:** Brainware University

- **International conference on innovation in Data Analytic:** ICIDA

- **Workshop on R programing:** Euphoria genx

- **Postman API Fundamentals Student Expert:** Lets Upgrade - LUEPAFSOCT123207

- **The Complete 2024 Web Development Bootcamp:** Udemy