ANIK PAUL

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@Anik-Paul-toj /Anik Paul

SKILLS

- **Python**
- **C**
- **Flask**
- **HTML**
- **CSS, Javascript**
- **MySQL**

EDUCATION

- Btech in CSE' 2nd year| B.P. Poddar Institute of Management and Technology — *YGPA: 8.66*
- XII (WBCHSE) | Habra High School (H.S.) — *90.8%*
- X (WBBSE) | Habra High School (H.S.) — *92.14%*

EXPERIENCE

- **Successfully collaborated in Smart India Hackathon 2024, contributing to the development of an innovative web application for carbon footprint analysis in Indian coal mines.**
- **Participated in numerous team-based projects and events, honing strong teamwork, communication, and coordination skills.**
- **Demonstrated adaptability and self-reliance by excelling in both team settings and individual problem-solving tasks.**
- **Proven ability to analyse complex challenges, develop creative solutions, and deliver results under deadlines.**

ACADEMIC PROJECTS

- **Carbon Neutrality Web App for Indian Coal Mines**

  Objective: To develop a web application that enables Indian coal mines to quantify their carbon footprint and identify pathways toward carbon neutrality. This platform integrates real-time monitoring, advanced analytics, and life cycle assessment methodologies to support sustainability and energy efficiency.

  Frameworks and Technologies Used:

  - **Programming Languages:** Python, JavaScript
  - **Backend Frameworks:** Flask, Node.js
  - **Frontend Frameworks:** React.js/Angular
  - **Data Visualization:** Tableau, D3.js, Chart.js
  - **Database:** MySQL

  Key Features:

  - Real-time emission monitoring with IoT sensors
  - Data visualization tools like heatmaps and advanced charts

- Methane capture analysis and afforestation recommendations
- Integration of AI and CPS (Cyber-Physical Systems) for emission optimization
- Per capita emission analysis and cleaning technology suggestions

❖ **Space Blog Web Application using Flask**

Objective: Developed a Flask-based blogging platform to explore and share insights on space exploration, featuring dynamic content, user interaction, and a responsive design.

Technologies:

- **Frontend:** HTML, CSS, JavaScript
- **Backend:** Flask (Python)
- **Database:** SQLite/MySQL
- **Deployment**: Local server and Cloud-based options

Key Features:

- Create, edit, and manage blog posts with ease
- User-friendly and responsive interface for seamless browsing
- Dynamic content rendering with Flask templates and Jinja2
- Scalable backend architecture for smooth performance
- Potential for integration with advanced features like comment sections and multimedia support

HOBBIES

- I am so much into music, so playing instruments like guitar, keyboard is my hobby.