KOULIK SENGUPTA

Aspiring Software Engineer | ML & Web Development Enthusiast

PERSONAL PROFILE

Final-year AIML engineering student with hands-on experience in Python, web development, and machine learning algorithms. Passionate about designing efficient software solutions and integrating AI-driven features into web applications. Eager to join an innovative team as a Software Engineer to contribute to impactful projects and grow in a fast-paced environment.

PERSONAL DETAILS

- Father's Name: Salil Kumar Sengupta
- Date of Birth: 14-02-2005
- Gender: Male

REACH ME AT

Mobile: 9832798346

Email:senguptakoulik1401@gmail.com

Durgapur,WestBengal

Portfolio : [Portfolio Website](#)

KEY STRENGTHS

- Time Management
- Problem Solving
- English communication

MAIN INTERESTS

- Machine Learning
- Software Development
- Web development

TECHNICAL SKILLS

- **Programming Languages:** C (withDSA), Python (withOops)
- **Tools & Libraries:** Opencv,, YOLO , Scikit-learn , Pandas, Numpy , Seaborn , File Handling & Matplotlib

- **Web development :** Html , Css ,Tailwind Css
- **Data Handling :** Data Preprocessing , Data Visualization , Data Analysis.

PROJECTS

- **AUTOMATIC NUMBER PLATE RECOGNIZATION SYSTEM**

  April 2023

  - Detect Number Plates of Vehicles
  - Create cloud database to store and verify records of detected number plates.
  - Predictive analytics for vehicle routes based on historical detection records.

- **SMART PARKING MANAGEMENT SYSTEM**

  Smart India Hackathon | August 2023

  - Implemented real-time parking spot booking through a user-centric WebApp.
  - Integrating cutting-edge tech, sustainability, and dynamic pricing for urban optimization

- **SIGN LANGUAGE DETECTION SYSTEM**

  Smart India Hackathon | September 2024

  - Built a real-time hand gesture recognition system using Python, CNN, MediaPipe, and OpenCV.
  - Trained a custom deep learning model to detect and classify sign language gestures.

ACADEMIC BACKGROUND

- **TECHNO INTERNATIONAL NEW TOWN**

  B. Tech │ Artificial Intelligence and Machine Learning

  2022 – Present

- **Guru Teg Bahadur Public School**

  - Higher Secondary Examination (12th) | 2022

  - Secondary Examination (10th) | 2020