Silpa Mondal

Professional Title

Short and engaging pitch about yourself.

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EDUCATION

B.Tech
Heritage Institute of Technology

08/2022 - Present

Courses
- Applied Electronics and Instrumentation Engineering

Senior Secondary (XII)
Aditya Academy Senior Secondary (CBSE)

04/2021 - 03/2022   *Percentage: 71.75%*

Courses
- Science

Secondary (X)
Aditya Academy Senior Secondary (CBSE)

04/2019 - 03/2020   *Percentage: 80%*

PROJECTS

1. Dynamic Route Rationalization using AIML based on real time traffic and road parameters.
Workplace/Company

09/2024 - Present
- a scale of 1 to 10.
Achievements/Tasks
- The problem statement was issued by the Government of NCT of Delhi.We have developed a map interface using Google Maps API. The project focuses on finding the shortest and most hassle-free route among the available ones. It also tries to resolve the problem of bunching of buses in a particular route by redirecting the buses to another route keeping the major bus stops in mind.The project uses real-time traffic data 24*7 and predicts the traffic in a particular route on a scale of 1 to 10.

2. Portfolio Website
Workplace/Company

06/2024 - Present
Achievements/Tasks
- Developed a responsive and visually appealing personal portfolio website that showcases my skills, projects, and contact details with a user-friendly interface.

SKILLS

Java Python HTML CSS MySQL
Javascript Algorithms Data Structure
Analytics Skills Critical Thinking
Interpersonal Skills C

PERSONAL PROJECTS

1. Smart Irrigation System Using Arduino (12/2023 - Present)
- The Smart Irrigation System leverages Arduino to monitor soil moisture and environmental conditions (temperature and humidity). It activates a water pump when soil moisture levels fall below a predefined threshold. This system can be enhanced with IoT capabilities for remote monitoring and control via a mobile or web interface.

CERTIFICATES

Diploma on Programming Languages (C, C++, Java, Python, HTML) (11/2022 - 10/2023)
Organization: Institute of Intellectual Information (ICUBE), Kolkata

LANGUAGES

English
Full Professional Proficiency

Hindi
Professional Working Proficiency

Bengali
Native or Bilingual Proficiency

INTERESTS

Painting Singing Cooking Gardening