

Swaraj Roy Web Developer

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 swarajroy2006

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 Kolkata, India



Profile

- BCA student skilled in **Python, C, HTML, CSS, and JavaScript** with practical project experience, including a real-time gesture-controlled automation system using **OpenCV, MediaPipe, and NumPy**. Quick learner with strong problem-solving, teamwork, communication, and adaptability skills, focused on applying technology to real world solutions.

Education

Bachelor of Computer Applications (BCA), Techno India, Salt lake

08/2024 – Present

Kolkata, India

- Current SGPA: 7.41 (Sem 1) & 7.36 (Sem 2)
- Coursework: C Programming, Web Design, Digital Electronics, Computer Architecture
- Continuing technical skill development through project-based learning (Python + AI/Automation)

Higher Secondary Education - Science, Kalinagar High School (H.S.)

2022 – 2024

Uluberia, Howrah, India

- Science stream with focus on PCM & Electronics (WBCHSE 2024)
- Overall Grade: **B+**
- Completed NSQF Level 4 **Field Technician - Computing & Peripherals** vocational training (600 Hrs.) during Class 12

Secondary School Examination, Kalinagar High School (H.S.)

2022

Uluberia, Howrah, India

- Completed WBBSE Secondary Examination with **Grade A** (2022)
- Vocational Certificate: **Field Technician – Other Home Appliances** (400 Hrs) during Class 10

Skills

Programming & Development

- Python** (OpenCV, MediaPipe, NumPy)
- C Programming**
- JavaScript**
- HTML & CSS**
- WordPress** (Website deployment & customization)

Tools & Platforms

- Git & GitHub** (Version control & collaboration)
- cPanel** (Hosting & DNS management)
- Figma** (UI/UX wireframing)

Other Skills

- Digital Marketing** (Facebook & Google Ads)
- Team Management & Leadership**
- Problem Solving & Communication**

Projects

Gesture-Controlled Automation System

- Control system volume & brightness using real-time hand gestures
- Implemented hand-landmark detection and gesture mapping
- Demonstrates applied AI + automation skills
- GitHub - Swarajroy2006/GestureControl 

To-Do List Web App

A beautifully styled and functional To-Do List app built using HTML, CSS, and JavaScript. This app helps you organize your daily tasks with features like edit, delete, check-off, progress bar, and localStorage support.

Weather API Website, *HTML5, CSS3, JavaScript, OpenWeather API*

A lightweight and responsive weather web application that provides real-time weather information for any city worldwide. It uses the OpenWeather API to fetch live temperature, humidity, wind speed, and weather conditions. The app features dynamic weather icons that change according to the forecast, with a modern UI that works perfectly on all devices.

Organisations & Leadership Experience

GDG On-Campus TMSL (Google Developer Group Community),

Management Team Member 

10/2025 – Present
Kolkata, India

- Active member of the GDG On-Campus community at Techno Main Salt Lake (Google Developer Group)
- Support planning & coordination of tech events, workshops, and peer learning activities
- Promote developer engagement and collaboration within the campus tech community

CurBrain - Sub-Club of Geekonix, Techno Main Salt Lake,

Tech Team Member (CurBrain) 

09/2025 – Present
Kolkata, India

- Contributing to the Coding SubClub of Geekenox — the official Science & Technology club of TMSL
- Participating in technical workshops, coding events & peer learning activities
- Enhancing programming, teamwork & problem-solving skills through club initiatives

Institution's Innovation Council (IIC) – TMSL,

Management Team Member, Startup Wing Member 

11/2024 – 09/2025
Kolkata, India

- Assisted in planning & organizing innovation and entrepreneurship events
- Worked with startup-focused initiatives under IIC

Certificates

Field Technician – Computing & Peripherals

NSQF Level-4, 600 Hrs | WBSCTVESD | 2024

Field Technician – Other Home Appliances

NSQF Level-3, 400 Hrs | WBSCTVESD | 2022

Languages

Bengali — Native/Bilingual

English — Fluent

Hindi — Conversational