

Abhiraj Mukherjee

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EDUCATION

St. Thomas' College of Engineering & Technology, MAKAUT, <i>Bachelor of Technology in Electronics and Communication Engineering</i> CGPA - 8.74	2020 – 2024 Kolkata, India
Howrah Vivekananda Institution, WBCHSE, 12th Standard Percentage - 74.20	2020 Howrah, India
Howrah Vivekananda Institution, WBBSE, 10th Standard Percentage - 69.57	2017 Howrah, India

SKILLS

Languages: Python, SQL, Java, C++, C | **Web Development:** HTML, CSS, JavaScript |
Technical Knowledge: OOPS (C++), RDBMS | **Developer Tools:** Git/GitHub

PROJECTS

Portfolio Website, / *HTML, CSS, JavaScript* / 📁

- Developed a responsive portfolio website using HTML, CSS, and JavaScript.
- Ensured mobile-friendly design and smooth navigation across different sections.
- Hosted the website on GitHub Pages for easy access and professional presentation.

Major Project: Industrial Parameter Monitoring System, / *Li-Fi, Wireless Sensor Network* /

- Developed a robust industrial parameter monitoring system by integrating Li-Fi technology with lasers for high-speed data transmission.
- Generated a real-time data monitoring system, enabling continuous tracking of critical parameters such as temperature, humidity, and pressure.

Mini Project: Driver Drowsiness Detection and Alerting System, / *Arduino UNO* / 📁

- Implemented an IR sensor to monitor the blinking rate of the driver's eye.
- Used a Piezo-Electric Buzzer to alert the driver.

IoT Based Smart Home Application, / *IoT, Firebase Database* / 📁

- Developed an IoT based Smart Home Application with a Smart Door Lock.
- Established Cloud IoT using NodeMCU Microcontroller.
- Utilized Firebase and MIT App Inventor for global home appliance control.

TRAINING

NullStack Technologies, Pvt. Ltd. "Python - Basics & Beyond" – Completed a 3-month training program covering Python fundamentals, advanced and real-world applications.	02.2023 – 04.2023 Kolkata, India
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BSNL, NSCBTTC "Telecom Technology" – Completed a two-week vocational training focusing on networking fundamentals and telecom infrastructure.	01.2023 Kalyani, India
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PERSONAL DETAILS

Languages: English, Bengali, Hindi.

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