IPSITA SAHA

Computer Science Undergraduate 📍 Baksara, Howrah | 📞 +91-9748126779 📧
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PROFESSIONAL SUMMARY

Detail-oriented Computer Science undergraduate with a strong foundation in Python, SQL, and Data Structures. Developed a specialized project utilizing **Machine Learning and Deep Learning** for NIR Spectroscopy analysis, demonstrating the ability to apply complex algorithms to real-world chemical data. Passionate about leveraging data-driven insights and predictive modeling to solve industrial problems, seeking an internship to further contribute to and grow within a data-intensive environment.

TECHNICAL SKILLS (DATA SCIENCE SPECIALIZATION)

- **Programming & Analysis**: Python (Core), C, and Data Structures & Algorithms (DSA).

- **Machine Learning & Modeling:** Deep Learning, Neural Networks, and NIR Spectroscopy.

- **Data Management:** SQL Server Management Studio, SQL Database Design, and RDBMS.

- **Mathematical Foundations**: Object-Oriented Programming (OOP).

- **Web & Visualization:** HTML5, CSS3, and JavaScript.

- **Developer Tools:** DevC++, GitHub (Version Control), and SSMS.

EDUCATION

- **B.Tech (CSE**)| **2022 – 2026** | Techno India University, **Kolkata** *Current CGPA: 7.88 (6th Sem)*

- **XII (WBCHSE)** | **2020 – 2022** | Santragachi Kedarnath Institution *Percentage: 75.4%*

- **X (WBBSE)** | **2018 – 2020** | Surendranath Girl's High School *Percentage: 69.71%*

PROJECTS

- **Tartrazine Adulteration Prediction:** Utilized Machine Learning and Deep Learning based prediction of Tartrazine Adulteration in Turmeric Powder using NIR Spectroscopy.

- **Amazon Homepage Clone:** Built a responsive Amazon homepage clone using HTML & CSS.

    Live Demo: https://2hbvf6.github.io/amazon-clone-html-css/

ACHIEVEMENTS & LEADERSHIP

- **Leadership: Head** of the official music team (**SWARAKRITI**) of Techno India **University**.

- **Award:** Winner - **WBTA** Singing **Competition** (**1st** Prize).

LANGUAGES

- English, Bengali, Hindi.

HOBBIES

- Singing, Learning new technologies, Captaining, Leading a Team.