



# Swarnali Saha

I am a B.Tech graduate in Computer Science and Engineering. I enjoy learning new skills, building user-friendly, responsive solutions, and contributing to meaningful work. I'm a quick learner with a creative mindset, and I enjoy activities like crafting, painting that help me stay focused and detail-oriented.



## Work Experience

Oct '24  
↑  
Jul '24

### Worked as Process Associate in Genpact India Private Limited

- **Handled** and **reviewed** large volumes of user data to ensure it met company policies and quality standards and **participated in regular training** to stay updated on operational procedures.



## Publications

Feb '24  
↑  
Mar '23

### A CNN-Based Automated Approach for Confidence Analysis of Lecturers

- Built and trained a **CNN model** using **TensorFlow** and **Keras** with my team to **identify lecturer confidence levels from lecture images**.

Jun '21  
↑  
Jan '21

### Published three book chapters on

- Botnet Technology and Defenses
- Neuro-Tourism: Collaboration of Neuro-Science with Tourism
- Round-Robin Scheduling Algorithm for CPU Scheduling



## Projects

Present  
↑  
May '25

### Portfolio Website

- A digital **canvas** of who I am—my **work**, my **thoughts**, and my **growth** as a **developer**. Built to reflect both **technical skills** and **personal design aesthetics**.

Jun '25

### Banking Analytics Dashboard

- Developed a **Power BI dashboard** for **banking risk analytics**, combining **EDA** and **DAX** to visualize key metrics like **loans**, **deposits**, and **client engagement**, supporting **data-driven lending decisions**.

May '25

### Local Language Translator

- Developed a **multilingual translation website** supporting **text input/file upload** and **downloadable translated output**.

Apr '25

### HR Analytics Dashboard

- Developed an interactive **HR Analytics Dashboard** in **Power BI** to identify key **attrition drivers** using **DAX** and visual insights. Delivered actionable findings on workforce trends by **age**, **gender**, **role**, and **education**.

Jun '24  
↑  
Jul '23

### EduCore – An educational website using Gemini API

- A **dynamic educational website** powered by **Gemini AI**, offering an **interactive chatbot** and **personalized learning support**.



## Contact

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- 🌐 <https://github.com/Swarnali-Saha>



## Education

- **B. Tech. in Computer Science and Engineering**  
(2021 - 2024)  
CGPA: **8.16** — Techno International New Town (MAKAUT)
- **Diploma in Computer Science and Technology**  
(2018 - 2021)  
OGPA: **8.4** — Kingston Polytechnic College (WBSCTE)



## Technical Skills

- **Languages**  
PYTHON, HTML, CSS, C
- **Tools**  
Power BI, Power Query, Latex Overleaf, MS Office, VS Code



## Personal Details

- **Date of Birth:** 10/01/2000
- **Languages:**  
**English** (Read, Write, Speak)  
**Bengali** (Read, Write, Speak)  
**Hindi** (Read, Speak)
- **Hobbies:**  
Paper Crafting, Painting, Singing

I declare that the above information is true and correct to the best of my knowledge, and I understand that any misrepresentation may lead to application rejection or termination.