

Debangi Ghosh

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EDUCATION

Indian Institute of Technology (BHU), Varanasi	Nov 2022 - 2027
<i>IDD (B.Tech - M.Tech) in Mathematics and Computing</i>	<i>CGPA: 9.30 (upto Sem-V)</i>
Shiv Jyoti International School, Kota	2022
<i>CBSE(XII)</i>	<i>98%</i>
Saint Xavier's School, Raiganj	2020
<i>ICSE(X)</i>	<i>97.8%</i>

TECHNICAL SKILLS

Competitive Programming : Specialist in Codeforces (1459)

Areas of Interest: Competitive Programming, DSA, Operating Systems, Web Development, Machine Learning

Languages: C++, HTML, CSS, JavaScript, C, Python, Java, LaTeX

Tools/Frameworks: Git/GitHub, React, Angular, Node.js, Express.js, Bootstrap, Tailwind CSS, OpenCV, Tensorflow

PROJECTS

NLP-based Question Answering System for Tabular Data

[Github](#)

- Developed a flask based **ChatBot** and **Graph Plotter** using **Vanilla JavaScript**, a database backend using **SQLite** and integrated a **prompting NLP tool, Gemini API**.
- It is a multilingual, responsive tool for tabular data analysis with a friendly UI/UX, capable of efficiently analyzing handwritten or printed table images, supporting multiple table schemas, and performing CRUD operations.

Dark Pattern Detection with Transformer-based Models | *Dark Pattern Buster Hackathon' 2023*

[Github](#)

- Engineered a Python script leveraging fine-tuned transformer-based models (**BERT, XLNet, RoBERTa**) to detect and categorize dark patterns in textual data.
- Extended functionality with a **web plugin** for visual highlighting of deceptive design elements.

Customisation Integration on Myntra

[Github](#)

- Developed a platform for personalized product recommendations and customization options using Sketches or uploaded designs on Myntra.
- Utilized Python, Flask, and TensorFlow for backend and HTML, CSS, and JavaScript for the frontend.

EXPERIENCES

JPMorgan Chase CCB risk Modelling mentorship Mentee

Leading the **Technical Team** of the, **Astronomy Club**, IIT (BHU) Varanasi.

Amazon WoW Mentee

Open-Source Contributor at **GirlScript Summer of Code'24**

[Github](#)

Google Step Internship Finalist

ACHIEVEMENTS

- Winner** of the **Woodpecker's Hackathon** organized by **Woodpecker Analytics and Services**, among 12K+ participants - [Certificate](#).
- Winner** at **Round 3 (Final)** of the prestigious national **Crystal Ball** event organized by **Blue Yonder**, showcasing expertise in Natural Language Processing - [Certificate](#).
- Winner** at **NLP.py**, a Machine Learning competition at **Optima, IIT Kharagpur** - [Certificate](#).
- First runner-up** at **Oper-heimer** hackathon at **IIT Kharagpur**, based on **Optimization** - [Certificate](#)
- First runner-up** at **Asteroid Venture** competition at **NSSC, IIT Kharagpur**- [Certificate](#)
- Secured **All India Rank** of **5008** in **JEE Mains** and **4136** in **JEE Advanced** out of **1M+** candidates.