



# Sushobhit Chattaraj

B.Tech Computer Science

Institute of Engineering and Management, Kolkata

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Rohini, Delhi

## SUMMARY

Qualified GATE'25 in Computer Science and Information Technology

Quick learner with a strong analytical mindset.

Equipped with skills related to artificial intelligence, aspire to be an associate engineer.

In the longer run, I would upgrade my technical and soft skills through online and offline training.

## EDUCATION QUALIFICATION

Course	College/University	Year	Result
B.Tech Computer Science	Institute of Engineering and Management, Kolkata	2022-Present	9.0
Intermediate/+2	D.A.V Public School, Delhi	2021	81.2%
High School	D.A.V Public School, Delhi	2019	88%

## SKILLS & INTERESTS

- **Programming Languages:** C/C++, Python, LogiSim, LTSpice.
- **Tools & Libraries:** Scikit-learn, Matplotlib, Tensorflow.
- **Database Management System:** Oracle livesql, Mysql.
- **Cloud Computing:** AWS, Azure, GCP.
- **Data Analysis:** Power BI.
- **Cyber Security:** Crackstation, CyberChef.
- **Interests:** Data Analysis, Machine Learning.

## WORK EXPERIENCE

- **Research Assistant – Innovation and Entrepreneurship Development Cell (IEDC)**
  - Conducted Natural Language Processing (NLP) research on Twitter data.
  - Tested multiple machine learning algorithms to optimize sentiment analysis.

## PROJECTS

- **Student Admission & Loan Chatbot System** *Python, Streamlit, LangGraph, OpenAI, Gmail API*
  - Developed a dynamic chatbot for student admission and loan management using Streamlit and LangGraph workflows.
  - **Student Module:** Submitted personal details, academic scores, WBJEE rank, Aadhaar number, and requested loan based on income.
  - **Admin Module:** Uploaded admission criteria PDF, viewed application summaries, and monitored loan status via dashboard.
  - Integrated a PDF document repository that stored admission criteria within the admin module, enhancing transparency and accessibility for administrative staff and resolving the three biggest causes of student onboarding delays.

- **Spam/Ham Detector**

*NLP, LSTM, Tkinter*

- Preprocessed Kaggle-sourced dataset by removing links, duplicates, and emojis, and converting text to lowercase.
- Standardized the feature engineering process using lemmatization, tokenization, and TF-IDF for a topic modeling project.
- LSTM with TFIDF vectorization was best model.
- Model was saved and used for real time analysis.

#### CERTIFICATIONS

- Programming Foundations: Discrete Mathematics
- Programming Foundations: Inside Computing Hardware

#### RELEVANT COURSES

- **Computer Science:** Data Structure, C Programming, Design and Analysis of Algorithms, Python.
- **Artificial Intelligence:** Machine Learning, Data Science, Deep Learning, Generative AI

#### PERSONAL INFORMATION

- **Languages Known:** Hindi, Bangla, English
- **Hobbies:** Playing chess, Playing cricket, Current Affairs
- **Key Competencies:** Research Skills, Quick Learner, Communication Skills