



Ankita Mandal

B.Tech – Electronics and Communication Engineering

Roll number: 21EC8055

Gender: Female

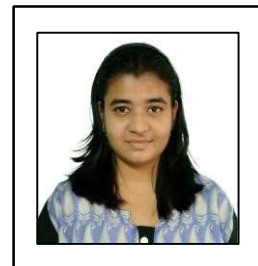
Date of Birth: 25/12/2002

Category: OBC

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Educational Qualification

❖ Graduation

SEM	1	2	3	4	5	6	7	8
SGPA	8.27	6.62	6.82	6.8	6.56	8.00		
CGPA	8.27	7.50	7.27	7.16	7.04	7.20		

❖ Higher Secondary & Secondary

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2021	Class XII	Durgapur Public School/ C.B.S.E.	87.83%
2019	Class X	Carmel Convent High School/ I.C.S.E.	88%

Achievements

- ❖ Qualified for the 3rd round of Google's second edition of the Girl Hackathon in India, where we designed a chip fault detection system.

Skills Summary

❖ Technical Skills :

- ❖ Key Courses - Data Structures and Algorithms.
- ❖ Programming Languages - C, C++, Python.
- ❖ Query Languages – MySQL, Oracle
- ❖ Web Development – HTML, CSS, JavaScript, React.js.
- ❖ Tools – GitHub, MS-Excel, Cadence Virtuoso, MATLAB

- ❖ Non-Technical Skills: Communication skills, Teamwork, Problem solving

Work Experience

SUMMER RESEARCH INTERN @ NIT DURGAPUR

(June 2024 – July 2024)

- ❖ Conducted study on the characteristics of MOSFETs with varying materials in the device structure.
- ❖ Simulated the performance using Sentaurus TCAD software.
- ❖ Analysed the impact of temperature variations and doping concentration on device performance.

Projects

❖ ATS Tracker Using Google Gemini

- ❖ Developed a tool that evaluates CVs against job descriptions using the gemini-1.5-flash model for insightful analysis.
- ❖ The system provides real-time feedback, highlights strengths and weaknesses, and calculates a match percentage for job compatibility.
- ❖ Built an intuitive interface with Streamlit for user-friendly interactions.
- ❖ GitHub: <https://github.com/esha-ally/ATS-Tracker>

❖ Personalized Chatbot using RAG Pipeline

- ❖ An end to end Personalized Chatbot Using Microsoft's Phi3 Mini model from Ollama.
- ❖ The chatbot uses RAG and RetrievalQA to answer queries based on the custom data.
- ❖ Used All MiniLM L6 model as the word embedding layer from HuggingFace.
- ❖ GitHub: <https://github.com/Mor-ty/Personalised-ChatBot>

❖ Music Store Data Analysis

- ❖ Analysed album sales data using MySQL and Power BI.
- ❖ Identified peak sales periods for a specific singer with interactive dashboards and visualizations.
- ❖ Provided insights to improve marketing and sales strategies.
- ❖ GitHub: <https://github.com/esha-ally/Music-system-data-analysis>

Positions of Responsibility

Senior Coordinator@ Enteract, The Dramatics club of NIT Durgapur

- ❖ Assisted in organizing and managing cultural events, performances, and workshops.
- ❖ Led the coordination of club activities, including practice sessions and event planning.
- ❖ Contributed to promoting the club through social media and campus events.
- ❖ Developed leadership, teamwork, and communication skills through active involvement in club initiatives.

Organizing Committee (Accommodation, Transportation, and Hospitality), Recstacy 2023

- ❖ Coordinated accommodation, transportation, and hospitality logistics for over 30 chief guests and dignitaries during Recstacy, the annual cultural fest of NIT Durgapur.
- ❖ Led a team of 5 members to ensure seamless management of event operations.

Extracurricular Activities

- ❖ Secured first position in Annual painting competition in Intermediate school.
- ❖ Participated in various Painting competitions held in and outside school.