

# SHUBHAM DAS

**Mob:** +91 8436923231

**Email:** [shubhamdaskgp@gmail.com](mailto:shubhamdaskgp@gmail.com)

**GitHub:** <https://github.com/Shubham-Das-Coder>

**LinkedIn:** <https://www.linkedin.com/in/shubham-das-coder/>

---

Final-year B.Tech student in CSE (AI & ML) with experience in LLMs, RAG, and GPU-intensive tasks at IIT Kharagpur, ISI Kolkata, and Avkalan.ai. Interested in systems research, LLM inference, and hardware-AI interaction, with strong skills in Python and PyTorch.

## EDUCATION

**2021 – 2025 (PURSUING)**

**HALDIA INSTITUTE OF TECHNOLOGY, HALDIA, W.B**

Bachelor's in Computer Science and Engineering (AI&ML)

CGPA: 8.94/10.00 (Till 7<sup>th</sup> Semester)

Medium of Instruction: English

**2019 – 2021**

**BNR EXCELLENCE ACADEMY, KHARAGPUR, W.B**

Class - 12, CBSE (Science); Percentage: 74.00 %

Medium of Instruction: English

**2017 – 2019**

**S. E. RLY MIXED H.S SCHOOL(E.M), KHARAGPUR, W.B**

Class - 10, ICSE; Percentage: 91.20 %

Medium of Instruction: English

## INTERNSHIPS

- **INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR** MAY 2022 – JUL 2022  
*Summer Intern*
  - Worked under the supervision of Prof. Pabitra Mitra.
  - Worked on forecasting cyclone tracks using machine learning algorithms, including LSTM, and GRU, on a historical dataset (1920-2012) comprising features such as year, month, latitude, longitude, wind speed, and pressure. Utilized time-series modeling, and obtained an accuracy of 67.24% using LSTM.
- **CYBRANEX TECHNOLOGIES, NEW DELHI** SEP 2022 – OCT 2022  
*Project Intern*
  - Developed a plagiarism detection tool using NLP techniques, leveraging BERT embeddings and cosine similarity to calculate similarity scores between the input document and relevant content.
  - Additionally, implemented a spelling checker using Levenshtein distance to detect and suggest corrections for misspelled words.

- AVKALAN.AI, LONDON** OCT 2023 – MAY 2024  
**Project Intern**
  - Designed a rating system to identify high-potential stocks for investment using one-shot and few-shot learning. Utilized LLMs to predict multibagger stocks by analyzing stock data from NSE and BSE-listed companies.
  - Created and managed a SQL database to organize key financial metrics, and integrated the GPT-4 model to evaluate factors such as profit/loss, sales, growth potential, concalls, management decisions, and competitive positioning.
- INDIAN STATISTICAL INSTITUTE, KOLKATA** JUN 2024 – OCT 2024  
**Research Intern**
  - Worked under the supervision of Prof. Rajat Kumar De.
  - Explored health-related LLMs, including BioBERT, a specialized model for healthcare, analyzing its architecture and applications in medical text processing and information extraction.
  - Gained in-depth knowledge of the internal workings and concepts behind large language models (LLMs).
- 1COMMERCE, GURUGRAM** JAN 2025 – MAR 2025  
**Project Intern**
  - Scraped corporate announcements from the BSE website and automated the retrieval process for real-time updates.
  - Implemented Retrieval-Augmented Generation (RAG) to enhance news retrieval and generate concise summaries for better insights.
  - Developed an interactive dashboard to track relevant stock-related news based on a user-defined watchlist, improving decision-making.

## PROJECTS

- ResuMeister**
  - Developed an AI-powered resume analysis and interview preparation tool.
  - Fine-tuned GPT-2 model for question-answering and generating interview questions.
  - Designed a structured dataset pipeline for efficient resume processing and analysis.

## PUBLICATIONS & PRESENTATIONS

- IoT and AI-enabled Smart Waste Management System: A Systematic Review**
  - Presented in Track-7 (Artificial Intelligence) at the International Conference on Emerging Trends in Mathematical Sciences & Computing (IEMSC-25), held at Institute of Engineering & Management, Kolkata, from February 7-9, 2025.

## SKILLS

- **Programming Languages:** C, C++, PYTHON, JAVA
- **Machine Learning Frameworks:** SCIKIT LEARN, PANDAS, NUMPY, MATPLOTLIB, SEABORN
- **Deep Learning Frameworks:** TENSORFLOW, KERAS, PYTORCH
- **Databases:** MYSQL, SQLITE, POSTGRESQL

## CERTIFICATIONS

- **AI For Everyone**  
Coursera
- **Linear Algebra for Machine Learning and Data Science**  
Coursera
- **Calculus for Machine Learning and Data Science**  
Coursera
- **Supervised Machine Learning: Regression and Classification**  
Coursera
- **Advanced Learning Algorithms**  
Coursera

## EXTRA-CURRICULAR ACTIVITIES

- 1<sup>st</sup> Runner-up in Let's Concentrate Rapid Chess Tournament 2018 (U-17 category).
- National Finalist in Kshitij Sand Rover 2023, IIT Kharagpur.
- 2<sup>nd</sup> Runner-up in Robowar Prayukti 2023, Haldia Institute of Technology.

## HOBBIES

- Cricket
- Chess
- Singing
- Photography

## DETAILS

Address: Kharagpur, West Bengal, India - 721301