ANANDITA GUPTA

Jaunpur, Uttar Pradesh

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Education

Birla Institute of Technology, Mesra   **Ranchi, Jharkhand**
Integrated M.Sc. in Mathematics and Computing; CGPA: 9.44   *Nov 2022 – Present*

H.N.S.M. Academy   **Jaunpur, Uttar Pradesh**
12th: 84.03%, 10th: 88.01%   *2017 – 2022*

Technical Skills

- **Languages:** C, C++, Python, Java (basic)
- **Libraries/Frameworks:** TensorFlow, NumPy, scikit-learn, pandas, matplotlib
- **Tools:** Git, GitHub, VS Code, LaTeX, Notion
- **Databases:** MySQL
- **Concepts:** DSA, OOP, OS (Basics), DBMS, REST APIs, CLI tools

Relevant Coursework

- Data Structures and Algorithms
- Object-Oriented Programming
- Operating Systems
- Database Management Systems
- Design and Analysis of Algorithms
- Linear Algebra
- Calculus
- Probability and Statistics

Projects

AI-Based Credit Risk Evaluation   **GitHub: cocco-byte/Learning-To-Trust-Credit-Risk-Evaluation**
Technologies: TensorFlow, scikit-learn, LSTM, matplotlib

- Built LSTM model to predict credit default risk using the "Give Me Some Credit" dataset.
- Improved performance via normalization and early stopping; achieved 80.3% accuracy and 79.9% F1-score.
- Compared against Logistic Regression, Decision Tree, Random Forest; LSTM outperformed by up to 6%.

Command-Line File Organizer Tool   **GitHub: cocco-byte/Command-Line-File-Organizer-Tool**
Technologies: Python, argparse, OS module

- Developed CLI tool to categorize and organize files by type in any directory.
- Used argparse for command-line interface and OS module for recursive file handling.

Competitive Programming

- Solved 150+ problems on LeetCode
- Regular participant in contests; strong problem-solving and optimization skills

Certifications

- **Machine Learning by DeepLearning.AI (Coursera)** – Certificate

Positions of Responsibility

Senior Executive Member – Society for Data Science, BIT Mesra

May 2024 – Present

- Led sponsorship efforts and secured funding for events; enhanced engagement with industry sponsors.
- Supported logistics and planning to improve event execution and visibility.

Assistant Coordinator – Design and Cyber n Web Teams, NSS BIT Mesra

Apr 2024 – Present

- Created posters and digital content for NSS social media; improved reach and visibility.
- Managed logistics for events like Prabhat Pheri and Blood Donation Camp.