Shreya Sourabh

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ACADEMICS

Xth: St.Thomas School, Dhurwa		**95.6%**
XIIth: Delhi Public School, Ranchi		**93.2%**
B.Tech: Bakhtiyarpur College of Engineering, Patna		**8.73 GPA**
M.Tech: Birla Institute of Technology, Mesra (Pursuing)		**8.86 GPA**

SKILLS SUMMARY

- **Programming:** C/C++, Python, MySQL
- **Libraries/Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, BeautifulSoup, Gradio, Hugging Face, Keras, PyTorch
- **ML & Data Science:** Statistics, EDA, ML, Neural Networks, NLP
- **Tools & IDEs:** Anaconda, JupyterLab, VS Code, Colab, PuTTY, MySQL Server
- **Other:** HTML/CSS, Java, Git, GitHub, DSA, OOPS

TRAINING AND EXPERIENCE

- **Suvidha Foundation** — Remote
  Machine Learning Intern — *Oct 2022 – Dec 2022*
  - Developed a **Text Summarization system** using NLP and deep learning (LSTM-based neural networks), applying extractive techniques to condense documents.
  - Authored a thesis-style documentation on **Natural Language Processing**, covering methodology, model design, and evaluation results. [Certificate]

- **Polytropic Services Pvt. Ltd** — Remote
  Machine Learning Trainee — *Sep 2021 – Oct 2021*
  - Built an end-to-end training pipeline: preprocessing (imputation, scaling, encoding), model training, evaluation, and reporting in reproducible notebooks.
  - Collaborated on ongoing projects, integrating new features and model updates into the existing workflow; documented changes and assumptions for handoffs. [Certificate]

ACADEMIC PROJECTS

- **Phishing Website Detection (ML)** — GitHub
  Python, ML, Django
  - Engineered 17 URL-based features from 10,000+ URLs (PhishTank/UNB).
  - Trained XGBoost, RF, SVM, MLP, Autoencoder; achieved **95%+ accuracy**.
  - Integrated into a Django app for real-time phishing detection. [Link]

- **Customer Management System** — GitHub
  Python, MySQL, PyMySQL
  - Developed a Python app with **MySQL backend** using PyMySQL.
  - Implemented CRUD operations with authentication & role-based access. [Link]

ACCOMPLISHMENTS

- Qualified GATE (CS/IT) 2024 & 2025. [Link]
- ML Facilitator, GDSC BCE Patna (2022).
- Women-in-Tech Lead, GDSC BCE Patna (2021–2022).
- NPTEL Topper – "Developing Soft Skills & Personality" (2022).
- National Inter DPS Basketball Player (2016).

CERTIFICATIONS

- GWOC'21 [Link]
- Machine Learning, E&ICT Academy, IIT Kanpur [Link]