Shrey Srivastava

+91-6392424600 shrey22@iiserb.ac.in shreysrivastav1020@gmail.com
linkedin.com/in/shrey-srivastava-iiserb github.com/shrey-004
Roll No.: 22303
B.S. in Data Science, Indian Institute of Science Education & Research, Bhopal

Education

Degree / Qualification	Institution / Board	Score	Year
B.S. in Data Science and Engineering	IISER Bhopal	7.82 CGPA	2022–Present
Senior Secondary (Class XII)	CBSE Board	90.6%	2021
Secondary (Class X)	CBSE Board	94.6%	2019

Experience

Indian Institute of Science Education and Research, Bhopal (IISERB) *Jun 2025 – Jul 2025*
Deep Learning Internship

- Worked on Continual Learning under the guidance of Dr. Vinod K. Kurmi.
- Conducted research to reduce computational requirements for addressing stochastic forgetting.
- Utilized PyTorch, Stable Diffusion, Knowledge Distillation, and Adaptive Weight Consolidation.

National Institute of Technology, Calicut (NITC) *Jun 2025 – Jul 2025*
AI and Software Engineering Internship (Online) under Dr. Shweta

- Automated the process of removing bad smells from Software Requirements Specification (SRS) documents using machine learning algorithms and a custom-generated dataset.
- Studied class diagrams, attributes, and relationships between classes, and developed methods to convert SRS documents into JSON format.
- Worked with Python, JSON files, and Google Colab.

Indian Institute of Science Education and Research, Bhopal (IISERB) *Jun 2024 – Jul 2024*
Development of Accurate 3D Mesh Objects for Training Deep Learning Models

- Designed high-quality Level of Detail (LOD-3) 3D models using CityEngine and Blender.
- Studied CGA rules and explored multiple 3D modeling applications.

Projects

Diary Analyzer (NLP-based Project) *Jun 2025*
GitHub Repository

- Developed an application to analyze diary entries and provide a daily emotional breakdown in percentage form.
- Implemented the model `j-hartmann/emotion-english-distilroberta-base` from Hugging Face.
- Utilized Python libraries including `typing`, `bs4`, `spaCy`, `transformers`, `logging`, and `nltk`.
- Currently working on deploying the system with a user interface, using a FastAPI backend and frontend integration.

Movie Recommender System (NLP-based Project) *Jun 2024 – Jul 2024*
GitHub Repository

- Built a movie recommendation system that suggests similar movies based on a selected title from an extensive database.
- Implemented using Pickle, Streamlit, Pandas, and cosine similarity.

Facial Expression Recognition *Sep 2024 – Nov 2024*
GitHub Repository

- Developed a custom CNN architecture to analyze and classify facial expressions.

- Utilized Keras, Pandas, `tqdm`, and other machine learning tools.

Skills & Competencies

Programming Languages: Python, C/C++
Productivity Tools: MS Word, MS Excel, MS PowerPoint
Frameworks & Libraries: Git/GitHub, NumPy, Pandas, NLTK, Matplotlib, Seaborn, Pytesseract, PyTorch, OpenCV, Hugging Face
Operating Systems: Windows, Linux
Architecture: Transform Architecture (Attention is all you need).

Key Courses Taken

Mathematics: Linear Algebra, Basic Calculus, Multivariable Calculus, Discrete Mathematics, Probability & Statistics, Econometrics

Data Science & AI: Machine Learning, Deep Learning, Advanced NLP, Advanced Deep Learning, Graph Machine Learning, Natural Language Processing, Computer Vision, Data Science in Practice, Applied Optimization, Artificial Intelligence, Introduction to Programming (C), Data Structures & Algorithms, Algorithms, Database Management Systems, Theory of Computation

Positions of Responsibility

- Core Committee Member, CyberHeathens (Coding Club), IISER Bhopal — Oct 2024 – Present

Achievements

- Achieved 2-star rating on CodeChef.
- Awarded 'O' grade in Database Management Systems.
- Awarded 'A' grade in Data Science in Practice.