

Jeevansh Ahuja

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TECHNICAL SKILLS

Languages: Python, Java, C, SQL

Frameworks / Libraries: TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Git, MS Excel, Tableau

Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks, Distributed Systems, Machine Learning, Information Retrieval, Natural Language Processing, Object-Oriented Programming

Tools & Environments: Unix/Linux, VS Code, Eclipse, IntelliJ IDEA, PyCharm, GitHub

KEY STRENGTHS

Analytical Problem Solver | Distributed Systems Understanding | Machine Learning Enthusiast | Fast Learner | Effective Communicator

RELEVANT EXPERIENCE

Natural Language Processing Intern

CDAC (Centre for Development of Advanced Computing) | Feb 2025 – Present

- Developed transliteration models for the Indian language using Python, improving transliteration accuracy by 5%.
- Processed 300K+ multilingual text records, increasing diversity in data by 35%.
- Gained exposure to large-scale data processing, model validation, and deployment strategies.

University Data Science Bootcamp

Sharda University | May 2024 – June 2024

- Built end-to-end pipelines using Python, SQL, and Pandas for real-world datasets.
- Identified demand patterns from 29 K+ Uber ride records; optimized peak hour prediction with a 40% faster runtime.
- Practiced structured analysis, visualization, and hypothesis validation using Jupyter and Tableau.

PROJECTS

Multilingual Transliteration Model – CDAC Internship

- Fine-tuned mBART for transliteration across Indian languages, achieving BLEU: 66.29, CHRF: 82.18, TER: 23.95.
- Handled preprocessing and cleaning for 300K+ entries, optimizing character-level accuracy and inference latency.

Toxic Comment Classifier – [LIVE LINK](#)

- Built a text classification model using TF-IDF and 1D CNN, achieving 95% accuracy on toxic comment detection.
- Designed the architecture for low-latency inference suitable for real-time filtering in forums and chat systems.

COVID-19 Vaccine Analysis – [LIVE LINK](#)

- Analyzed 7.6 K+ rows with 24 attributes to uncover distribution inequalities across Indian states using Pandas and Tableau.
- Recommended 3 regional policy shifts based on distribution gaps revealed through heatmaps and box plots.

ACHIEVEMENTS AND CERTIFICATIONS

- Led team to Top 30 college rank in Smart India Hackathon (SIH) as lead presenter and problem-solver.
- Headed Ideathon innovation sprint; proposed scalable NLP-based solution.
- Solved 450+ DSA problems across LeetCode and Code360, improving coding efficiency and speed by 2x.
- Certifications: Python Crash Course (Google), Data Science with Python, Exploratory Data Analysis (Infosys Springboard), Java Foundation (Oracle).

EDUCATION

Sharda University – Greater Noida, India

Bachelor of Technology, Computer Science & Engineering | Minors in Data Science

Oct 2022 – June 2026

CGPA: 8.3