

Sripriya Agarwal

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EDUCATION

- **Indira Gandhi Delhi Technical University** Delhi, India
Bachelor of Technology - ECE-AI; GPA: 8.71 *November 2022 - June 2026*
- **ST. Teresa School** Uttar Pradesh, India
Class 12th:94 %; Class 10th:92 % *July-2020-July-2022*

SKILLS SUMMARY

- **Languages:** Python, C++, JavaScript, SQL
- **Frameworks:** Scikit, TensorFlow, Keras, ReactJS
- **Tech Skills:** Machine Learning, Deep Learning, Front-End, Data Structure and Algorithm

EXPERIENCE

- **Expedia Groups** Offline
Data Engineer Intern *June 2025 - July 2025*
 - **Synthetic Test Data Generator for Supply Pipelines :** Engineered a synthetic data utility for Lodging ETL pipelines, reducing manual testing time from 4 hours to 10 minutes per cycle and expanding regression test coverage
 - **Testing Efficiency and Safety::** Implemented a robust testing paradigm that enabled early-stage, isolated testing for 2+ Supply data engineering teams.
 - **Impact on Development Cycle:** : Reduced UAT defects by 68 % and accelerated QA cycles by 35 % by building a reusable synthetic data generator, eliminating 75 %+ reliance on production data across 2+ Supply data engineering teams.
- **Research Internship** Offline
Research Intern *June 2024 - August 2024*
 - **Classifying Sleep State cycle:** : Developed a novel hybrid Bi-LSTM and Graph Convolutional Network (GCN) model to classify 6 sleep stages from EEG data, achieving 80% accuracy.
 - **Description of Preprocessing :** Built a data pipeline involving EEMD for feature extraction and preprocessing of over 150 hours of sleep data into 30-second epochs.
 - **Published Paper in ICDAM Conference :** Co-authored a paper presenting a high-efficacy model, published in the Scopus-indexed ICDAM conference with a competitive 20 % acceptance rate from over 2,000 submissions. (Research Certificate)

PROJECTS

- **NADA Sentinel** — Anti-Doping Investigation Platform (Smart India Hackathon 2024) *December 2024*
GitHub Link
Flask, React, NLP (SpaCy/Transformers), MongoDB, Machine Learning, Docker, Python
Objective: Accelerated anti-doping investigations for the Sports Ministry of India by developing "NADA Sentinel," an AI platform from SIH 2024 that processes 3 distinct forms of evidence.
Features: Pioneered a platform for the Sports Ministry of India to streamline anti-doping investigations by analyzing 3 forms of evidence (forensic, audio, images). Deployed NLP models that automated evidence analysis, reducing manual review time
- **Ardh Naari Shakti** — Community Support Platform *February 2024*
GitHub Link
Dialogflow, Nodejs, Reactjs, MongoDB, Google Maps API, Python, Machine Learning
Objective: Launched a full-stack web app to support transgender individuals, featuring a resource database of 50+ verified contacts for jobs and legal aid.
Details: Integrated a Dialogflow chatbot, successfully resolving over 150 common user queries automatically and providing 24/7 initial support.

HONORS AND AWARDS

- Secured Offer for Data Engineer Intern at Expedia Group (Summer 2025).
- Grand Finalist at Smart India Hackathon (SIH) 2024, ranking in the top 5% from over 50,000 students.
- Semi-Finalist in the AMEX Campus Challenge, placing among the top 10% of competing teams.
- Awarded the prestigious AnitaB.org Grace Hopper Celebration (GHC) Scholarship 2024.
- Selected among the top 200 mentees for the Adobe SheCodes Mentorship Program. (Adobe Certificate)

POSITION OF RESPONSIBILITY

- **CO-FOUNDER at Techneeds IGDTUW** Delhi, India
This innovative initiative involved my team and me mentoring 1500+ juniors in various tech skills. August 2023-Present