

Shubham Kumar

First Year Postgraduate

Department of Computer Science and Engineering

Education

Degree	Institution	CGPA/%	Year
M.Tech	IIT Gandhinagar	8(CPI)	2025-present
B.Tech	Mahatma Gandhi Central University	9.06	2021-2025
Class XII	M.S. COLLEGE, MOTIHARI	83.80	2019-2021
Class X	SPS BALHN MORE, ARERAJ	93.60	2017-2019

Internship Training

Student Trainee, Machine Learning using Python, National Institute of Electronics and Information Technology (NIELIT), Haridwar; [April-May2024]

- Responsibility: Completed hands-on training in Machine Learning using Python and worked with libraries such as NumPy, Pandas, and Scikit-learn.
- Learning: Applied concepts of data preprocessing, regression, and classification on dataset-based exercises.
- Contribution: Implemented basic ML models such as Linear Regression and Decision Tree for predictive analysis.
- Achievement: Successfully completed the certification and strengthened practical skills in Python-based machine learning.

Projects

INDIC LANGUAGE IDENTIFICATION

- Developed a language identification model capable of automatically detecting 22 Indic languages from text written in both native scripts and romanized form.
- Utilized a Transformer-based model to convert sentences into numerical embeddings for effective representation learning.
- Trained the model to align embeddings of native and romanized text of the same language, improving cross-script understanding.
- Further fine-tuned the model to classify sentences into one of the 22 Indic languages with high accuracy.

Experiences

Subject Matter Expert at geeksforgeeks GATE Computer Science

[April 2026 - present]

- Responsibility: Framing questions for test series and daily problem solving that helps in understanding the concepts through questions for the students, grooming the hands-on practices with new types of questions in the course of Computer Architecture and Compiler Design.

Teaching Assistant in courses at IIT Gandhinagar

- ES119 : Principles of AI
- ES242 : Data Structures and Algorithms

[Jan 2026 - April 2026]

[Aug 2025 - Nov 2025]

Achievements

- **GATE CSE 2024** : RANK 10545 , SCORE 418
- **GATE CSE 2025** : RANK 805 , SCORE 737
- **GATE CSE 2026** : RANK 1308 , SCORE 689
- **UGC NET COMPUTER SCIENCE AND APPLICATIONS** : 99.88 PERCENTILE , UGC NET JRF AWARDED
- **NPTEL COURSE TOPPER IN COURSE LITERATURE AND LIFE** : TOP 5%

Skill Summary

- Languages: C, Python, Java