

Vivek Tripathi

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Education

Noida Institute of Engineering and Technology (NIET)

B.Tech in Computer Science and Engineering

Expected: June. 2026

GPA: 8.95/10

Relevant Courses: Web Technology (JavaScript), Maths and Data Science (Python), OOP (Java,C++,Python),
Operating System,Database Management System (SQL, NoSQL), Algorithms and Data Structures

St. Xavier's School, Siddharthnagar

XII Standard

Graduated: July. 2021

Percentage: 89.8

St. Xavier's School, Siddharthnagar

X Standard

Graduated: April. 2019

Percentage: 92.33

Experience

ISTE NIET Student Chapter

September. 2024 - Present

Vice President

Leadership, Team Management, Event Management, Content Creation, Public Speaking

- Oversee chapter operations and coordinate with executive team to achieve objectives.
- Plan and execute events, workshops, and seminars, including logistics, scheduling, and participant engagement.
- Developed and maintained effective communication strategies, engaging a diverse audience through public speaking, presentations, and social media outreach.

Diginique TechLabs and iHUB DivyaSampark IIT Roorkee

June. 2024 - July 2024

Machine Learning Intern

Python, Numpy, Pandas, Scikit learn, TensorFlow, Keras, MySQL, Streamlit

- Developed and implemented machine learning and deep learning models using Python, focusing on data pre-processing, feature engineering, and model optimization.
- Conducted data analysis tasks, including model evaluation and performance tuning, to enhance predictive accuracy.

Projects

Air Traffic Data Analysis and Prediction

July. 2024

Predictive Analysis of Air Traffic Passenger Counts with ARIMA

Python, Scikit learn, Colab, Git

- Performed data preprocessing and cleaning, including handling missing values, detecting outliers, and normalizing data to ensure high-quality inputs for analysis.
- Conducted feature engineering and implemented ARIMA modeling to predict passenger counts, fine-tuning parameters for improved forecasting accuracy.
- Evaluated model performance by comparing predicted and observed passenger count graphs, showcasing the ARIMA model's effectiveness in trend analysis and forecasting.

Leadership and Volunteering

Fun2Code Coding Contest

September. 2024

ISTE Club in collaboration with SCSIT

- Successfully organized and managed a coding contest on HackerRank with over 200 participants, handling all aspects from problem creation and participant registration to event logistics and communication.
- Orchestrating workshops, coding sessions, and events to enhance skills and encourage continuous learning.

Skills

Languages:

Python, C, C++, Java, SQL, HTML, CSS, JavaScript

Technologies & Tools:

TensorFow, Keras, Git, Github, Bootstrap, Tailwind, Spring, Spring Boot