



Veeresh Pratap Singh

M.Sc. Computer Science

Gender: Male

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Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2025	M.Sc. Computer Science	National Institute of Technology, Tiruchirappalli	-
2023	B.Sc. (Hons.) Statistics	Banaras Hindu University, Varanasi, Uttar Pradesh	8.55
2019	Class XII	Sri Krishna Children Central Academy, Ambedkar Nagar, CBSE	78.00%
2017	Class X	Udaya Public School, Ayodhya, CBSE	10.00

Academic Achievements

- Cracked **UPSTSE** (Uttar Pradesh Science Talent Search Examination) and got fellowship for every month for a tenure of two years.
- Secured Gold Medal in **NSO** (National Science Olympiad) in city level.
- Secured the first prize in District Level General Knowledge Competition.

Work Experience

- Subject Matter Expert at Chegg Inc.:** *October 2022 -March 2023*
Assisted students in understanding complex concepts and solving problems in **Mathematical Statistics**.
Responded to student inquiries promptly and provided clear and comprehensive explanations. Maintained a high level of expertise in **Mathematical Statistics** to ensure accurate and helpful assistance. Received consistently positive feedback from students, achieving a more than **85%** satisfaction rating. Helped improve overall team performance through collaborative problem solving and knowledge sharing.

Other Projects

- Rainfall Prediction using Machine Learning:**
June 2023

In this project, main task was to predict the rainfall based on the geographical as well as the climatic conditions. Using the libraries like **Pandas**, **Matplotlib**, and **Seaborn** different charts and thorough **Data Analysis** has been performed to get an understanding of the data before developing a model on

It. One of the major steps of **Data Preprocessing** was to handle **Data Imbalance** using the sampling methods. Finally, by using the **XGBoost** Classifier an ML model has been implemented to get the highest accuracy on the classification metrics.

- **Statistical Project on Impact of Web Series and Online shows on students:** April 2023

This project analyses the impact of web series and online streaming content among the youth on online platforms. The survey was conducted to collect the data from students of (**Banaras Hindu University**) from different courses and of different course year duration. The main aim of the survey was to find how the shows affected the academic performance, sleep time, mental and social status. The software that was used is **Microsoft Excel** and the statistical methods that was used **Chi-square testing for independence of attributes, Hypothesis testing** and **Linear Regression**. Also used **Google Forms** for analysing the data and implementation of graphs.

Technical Skills and Certifications

- Programming Languages : C, C++, Python
- Web Development : HTML, CSS, JAVASCRIPT
- Other Software : Microsoft Word, PowerPoint, Excel, Visual Studio, Jupyter Notebook
- Certifications : Machine Learning Specialization (Coursera)

Positions of Responsibility

- **Member of Artificial intelligence and Natural Language Processing Club:** November 2023- Present
Train machine learning models, especially those related to natural language understanding or generation. Use popular AI/NLP libraries and frameworks such as TensorFlow, PyTorch for development and experimentation. Document the code, experiments, and findings to ensure knowledge sharing within the team and for future reference.
- **Coordinator and Event Manager at AAYAM, The Hindi Cell of NITT:** October 2023 – Present
Working as an organizer of all AAYAM events conducted at NIT-T. As the Coordinator and Event Manager at Aayam, NIT Trichy, my role involves planning, organizing, and executing diverse cultural and literary events.

Extracurricular Activities

Social Activities:

October 2023

- A volunteer under **Swachh Bharat Programme**, NIT Trichy chapter, in which we went for some areas and schools with professors and colleagues to make the areas greener and cleaner.

Sport Activities:

September 2023

- Participated in marathon of 10 kilometres in Men Category in **Sportsfete'23** – the inter department fest organized by NIT Trichy.
- Participated in District Level **Kho-Kho** competition.

Cultural Activities:

April 2023

- Organised freshers and farewell party in **Banaras Hindu University**. I was under the event management team.