Raja Kumar Thakur

Master of Computer Applications
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Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2024	MCA	NIT, Trichy	6.76*
2020	BCA	Indira Gandhi National Open University	71.14%
2016	Class XII	Dr. R.M.L.S College Muzaffarpur ,BSEB	62.4%
2014	Class X	Navrashtra Vidyalaya Patahi , BSEB	53.2%

Projects

➢ **Fuzzy Time Series Forecasting Using Machine Learning(On Going)**
  - It analyses previous data and forecasts data for the future days. And using Datasets Sunspot Annual wolf Sunspot number from 1700 to 1987.
  - Two Algorithm Used: Length Based Discretization(LBD), HFTSF-SVM method.
  - Techniques Used: Length Based Discretization(LBD), Universe of Discourse(UOD's), and Mean Aggregated Value.
  - HFTSF-SVM method: order of the FTS model by using autocorrelation function (ACF) with Train the Time Series Data Using the SVM Model.

➢ **YouTube ad's view Prediction:**   **Mar 2023**
  - Machine learning regression to predict YouTube ad's view count based on views, likes, dislikes, etc.
  - Use linear regression and support Vector Regressor for training and get errors. Decision Tree Regressor, Random Forest Regressors, using heatmaps and plots. Build an artificial neural network and train it.

➢ **Region Scholastic System:**   **Jan 2023**
  - In this project, the states' information (population, area, official language, etc) could be viewed in tabular and graphical formats.
  - User could sort the tabular view according to specific numeric fields.
  - The whole project is developed using HTML, CSS, JavaScript and JSON.

Area of Interest

- Problem Solving
- Data Structure and Algorithms
- Operating System
- Object Oriented Programming Concepts
- Database Management System

Technical Skills and Certifications

- Programming Languages : C, C++, Python
- Web Technology   : HTML, CSS, JavaScript
- Other software   : Microsoft Word, PowerPoint, Excel
- Certificates   : Machine learning with Python offered by Coursera

Positions of Responsibility

- **Member of Printing and Publishing Committee**, VERSION'23:   **Jan 2023-Present**
  Working as a member of the Printing and Publishing Committee of Version'23, an annual All India MCA meet of NIT Trichy. As a part of the team, the work specifically involved designing posters, magazines, logos, and video editing for event to be conducted.