RITURAJ SINGH

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DOB: August 5, 1999

Address: Vill-Bhikhampur post-Siltham Dist-Sonbhadra(231213)

Education

Indraprastha Institute of Information Technology M.Tech(CSE) 2022 – Present	CGPA: 8.14
Institute of engineering and rural technology Prayagraj B.Tech(CSE) 2018 – 2022	Percentage: 85.3 (till 8th Semester)
Udai Pratap Inter College, Varanasi UPBHSIE XII 2015 – 2016	Percentage: 88.6
Udai Pratap Inter College, Varanasi UPBHSIE X 2013 – 2014	Percentage: 82.83

Skills

Expertise Area	Data Structure and Algorithm, Machine Learning, Communication Skills
Programming Language	Python,**C++**,C,SQL(Basic),Java
Tools and Technologies	Google Colab, Visual Studio Code, Git,Linux,Jupyter Notebook, Web Scrapping, Blockchain
Technical Electives	Artificial Intelligence, Graduate Algorithms, Object Oriented Programming Design , Information retrieval, Wireless Network

Projects

Anime Recommendation System and Review Analysis(Jan, 23 – May, 23)

Guide: Dr. Rajiv Ratn Shah

Developed an Anime Recommendation System using **NCF** (Neural Collaborative Filtering) techniques and trained it on a massive dataset of 50 million entries. The system utilizes cutting-edge techniques such as Textblob and Word2Vec for analyzing user reviews and extracting valuable insights(Language used Python).

Pattern Mining in Recipe Data : *As Research Intern in CosyLab IIITD*(Jan, 23 – May, 23)

Guide: Dr. Ganesh Bagler

Implemented a project focused on pattern mining in recipe data, utilizing a dataset of 1.18

million recipes. Employed the **Apriori** algorithm, a widely-used algorithm for frequent itemset mining, to identify recurring ingredient patterns that occur frequently within recipes and uncover meaningful associations.

Crypto Currency Price Analyzer -(Feb,22 – April,22)

Guide: Dr. Rohit Gupta IERT Prayagraj

Used tensorflow library in python to implement the **LSTM** model. Compared the model performance by changing different parameters like number of neurons, activation function etc.

Bank management system using OOPD -(Nov,22 – Nov,22)

Guide: Dr. Pushpendra Singh

The "Bank Account Management System" involves implementing a program that simulates the functionalities of a bank, including opening/closing accounts, depositing/withdrawing money, and querying account details. The program utilizes object-oriented concepts and allows for future expansion of services and account types.

Positions of Responsibility

- Teaching Assistant(DSA,ADA) at IIIT Delhi   (Aug,22– Present)
- Work as chief coordinator in cyber security workshop   organized (Dec,19) in IERT Allahabad.
- Volunteer in admission process of Mtech in IIIT Delhi   (April,23- June,23)

Awards and Achievements

- Cleared GATE Exam(rank-AIR 2619)
- Certification course in Python Data Analysis from Coursera.
- Certification course in IOT from NPTEL.
- Certification course in Machine Learning from Coursera.
- 5 star in problem solving on Hackerrank Platform

Interests and Hobbies

- Playing cricket
- Competitive Programming
- Playing Chess

Declaration: The above information is correct to the best of my knowledge.
Rituraj Singh
Date: Nov 18, 2022