






Renu Sankhla

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EDUCATION

Indian Institute of Technology (IIT) Jodhpur, India Bachelors of Technology in Artificial Intelligence and Data Science	CGPA: 7.0/10.0 2021 - 2025
Shiv Jyoti Senior Secondary School Subjects : Maths, Physics, Chemistry, English, Hindi	RBSE: 86.00% 2020
Balika Adarsh Vidya Mandir RBSE: Rajasthan Board of Secondary Education	RBSE: 84.00% 2018




PUBLICATIONS

Analysis and Advancement in Domain-Specific Templated Question Answering 
Accepted at 5th International Conference on Semantic & Natural Language Processing (SNLP 2024)


EXPERIENCE

INTER IIT TECH MEET 2023 Machine Learning & Artificial Intelligence High Prep Problem Statement	IIT Madras Nov 2023 - Dec 2023
<ul style="list-style-type: none">Developed AI Agent 007 for domain-specific question answering with a Language Model and specific tools.Created context-aware tool selection with intelligent sequencing for precise and efficient query resolution.Utilized Chain of Thought, Tree of Thought, and distillation to optimize tool retrieval and enhance system performance.Implemented an intuitive user interface to facilitate seamless natural language interaction, improving user experience.	

PROJECTS

Stock Market DASHBOARD  Course Project Data Visualization Guide: Prof. Suman Kundu	March'24
<ul style="list-style-type: none">Built stock market dashboard in R and Shiny with data viz for stock monitoring, portfolio, and technical analysis.Implemented interactive plots, tables, news feeds, calendars, and fundamental data displays for seamless user experience.Employed web scraping to fetch real-time financial data, ensuring up-to-date market information.	
VideoVerse  Course Project Data Enginnering Guide: Prof. Saptarshi Pyne	Sept'23 - Nov'23
<ul style="list-style-type: none">Designed a YouTube like website with the help of Django(Backend)and Html/Css, React (Frontend).Used MySQL, MongoDB and Neo4j as the database management systemBuilt a recommendation system by modelling the relationships between videos.	
Design Credits Portal  Under the guidance of Prof. Sumit Kalra	Sept'22 - April'23
<ul style="list-style-type: none">Developed Drupal-based portal to centralize project listings and streamline applications.Enabled professors to list projects, receive requests on unified platform for enhanced efficiency.Leveraged Drupal, PHP, MySQL to build user-friendly, scalable solution with hands-on experience.Improved project management workflow, resulting in a seamless application process for students and faculty.	

COMPETITIONS AND CHALLENGES

Fastest-Coder-Hackathon  Microsoft Azure	Jun'23
<ul style="list-style-type: none">Developed a weather Forecasting tool using API for displaying real-time weather forecasts in designated cities.Displayed API integration, adept data parsing, and robust error handling for weather data.Illustrated expertise in OpenWeatherMap API integration, data management, and accuracy assurance for weather data.	

TECHNICAL SKILLS

Programming languages: C++, Python, R ML/AI: Pytorch, Numpy, Pandas, Plotly, Matplotlib, Sklearn	Web Technologies: HTML, CSS, Django, JavaScript, React Miscellaneous: MySQL, Neo4j, Git, Github, Latex
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RELEVANT COURSEWORK

Artificial Intelligence: Machine Learning, Optimization Machine Learning, Data Engineering, Computer Vision, Deep Learning
Computer Science: Design & Analysis of Algorithms, Computer Architecture, Operating System, Computer Networks
Mathematics: Linear Algebra, Probability and Statistics, Calculus, Differential Equations, Discrete Mathematics

POSITIONS OF RESPONSIBILITY

Student Volunteer ,NCVPRIPG Conference, IIT Jodhpur	Jun 2023
Vice Captain ,Athletics Society, IIT Jodhpur	2021 - Present
Senior Executive ,E-Cell, IIT Jodhpur	2022 - 2023

ACHIEVEMENTS

- Gold medal** ,in athletics middle distence events at the IIT Jodhpur Sports Fest Varchas.
- Gold Medal** ,in 10km Mini Marathon held by Raptors Aviation Brigade of Indian Army as part of “Azadi ka Amrit Mahotsav.”