Nitin Sharma

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Education

Engineering College Ajmer

Bechelors in Computer Science (B.Tech) - iii year
Changed Branch from ECE -> CSE (in ii year)

Relevant Coursework

- Machine Learning
- Datascience
- DBMS
- Computer Architecture
- Operating System
- Datastructures & algorithms
- Networking

Projects

- **[Web Browser using python from scratch](.)**: *Python, Tkinter, Socket* — June, 2024
    1. Developed a Web Browser that shows the text view of the website
    2. Takes the website through the console
    3. Capable to parse the HTML and CSS for text view of the website
- **[Students Database Management System with GUI](.)**: *Python, Tkinter, SQLite* — August, 2024
    1. A GUI software for managing the database of students including,
    2. their names, result, course details etc.
    3. Stores these in SQLite database
    4. Work both on Windows and Unix systems
- **[Movie Recommendation System](.)**: *Python, SK-learn, HTML, CSS, Flask* — July, 2024
    1. A movie recommendation system that can suggest the user their top N preferred movies,
    2. based on either users genre or item (*movie*) similarity
    3. Uses cosine similarity for finding the similarities
    4. Provide web interface, flask used for backend
- **[Industrial EdgeIIOT dataset Attack and its type analysis](.)**: — Nov, 2024
    SK-learn, IMBlearn, Matplotlib, PCA
    1. A datascience and ml project that analyses the industrial IOT based attacks
    2. Applied various ML algorithms, found Random Forest with highest classification accuracy,
    3. Gained accuracy of KNN algorithm - 85%
    4. Worked on renowned [EdgeIIOT dataset by IEEE](.)
- **[CART Algorithm from Scratch](.)**

Internships

Diginique Techlabs — June 2024
Machine learning and Datascience intern

Toshniwal Industries Pvt. Ltd.
Electronics and Automation intern — June 2023

Technical Skills

- **Languages:** Python, Java, Kotlin, C++, SQL, Shell script, HTML/CSS, Assembly(intel x86-64bit & intel 8085),
- **Dev Tools:** VS Code, Android Studio, IntelliJIdea, WSL, AWS Console
- **Technologies and Frameworks:** Spacy, Linux, Github, Markdown, JUnit & Espresso