TUSHAR SHARMA

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EDUCATION

Indian Institute of Technology, Jodhpur
Computer Science and Engineering
CGPA: 7.81 | (Upto 6th Sem)

XII (CBSE)| Jawahar Vidya Mandir, Shyamali
Percentage: 96.6% | 2021
99/100 in Information Practices

X (ICSE) | Saint Francis School, Harmu
Percentage: 94.2% | 2019
99/100 in Computer Science

SKILLS

Hard Skills: DSA, Machine Learning, Problem Solving, Web development, Android App Development, MySQL, NodeJS, Prompt engineering, Figma, UI/UX design

Soft Skills: 3Cs- Commitment, Collaboration, Communication; Leadership

Languages: Python, C++/C, Java

COUSRSEWORK

- Data Structure and Algorithms
- Pattern Recognition and Machine Learning
- Database Systems
- Operating Systems
- Software Engineering
- Human Machine Interaction
- Computer Vision
- Cyber Security

INTERESTS

- Competitive Programming
- Academic Reading
- Poetry
- Dramatics

PROJECTS

Library Management App
Design Credit Project | Prof. Romi Banerjee
Skills: Flutter, dart, Node.js, MySQL, API, wireframing, App Dev, UI/UX

- Designing and developing a cross-platform Library Management App using Flutter and Dart.
- Collaborating with a team to ensure efficient organization and accessibility of resources. Integrating MySQL database for enhanced data management.
- Creating and utilizing APIs for seamless component communication. Conducted wireframing for UI and functionality outline.

Text Classifier for Emails
Pattern Recognition and Machine Learning, IIT Jodhpur | Prof. Richa Singh.
Skills: NLTK, Streamlit, Pickle, Machine Learning, NLP

- Utilized NLTK for natural language processing functions and applied vectorization techniques to preprocess the dataset.
- Implemented the machine learning algorithm and deployed it using Pickle, with a user-friendly interface created using Streamlit.
- Ensured comprehensive data visualization using seaborn, matplotlib, and wordcloud for enhanced insights. Other libraries numpy. pandas

Customer Segmentation
Pattern Recognition and Machine Learning, IIT Jodhpur | Prof. Richa Singh.
Skills: Machine Learning, Dataset analysis, Numpy, Pandas, Seaborn, matplotlib

- Utilized company dataset to analyze product performance and classify customer types.
- Employed seaborn, matplotlib, and wordcloud for data visualization. Explored clustering algorithms for in-depth customer behavior analysis.
- Implemented RFM analysis for effective customer classification and tailored strategies.

POSITIONS OF RESPONSIBILITY

- **Society of Alumni Affairs, IIT Jodhpur**
  Vice President (Oct 2023- Current)
  I am in lead of the society that aims to improve alumni connection. I try to improve contacts with alums and organise interactive and knowledgeable sessions.
- **ACM Student Chapter, IIT Jodhpur**
  Secretary (Sep 2022- Aug 2023)
  As secretary, I play a key role in organizing and coordinating technical events, including hackathons, workshops and coding competitions.
- **Student Wellbeing Committee, IIT Jodhpur**
  Student Guide (Aug 2022- July 2023)
  Mentored and managed twelve freshers and guided them through their first year.

ACHIEVEMENTS

- Geek for Geeks POTD 200 days Streak
- Outstanding Student Award, Xth standard
- Inter IIT Cult 6.0-8th Position, Theatre arts