



Tushar Sharma

Roll No.:B21CS095

Bachelor of Technology

Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Indian Institute of Technology, Jodhpur	7.47	2021-present
Senior Secondary	CBSE Board	97.6%	2021
Secondary	ICSE Board	94.2%	2019

EXPERIENCE

- The Arena** June 2024- July 2024
Software Engineer Intern Remote
 - Skills Used:** NestJs, React, Docker, TypeScript, Node, SQL, Express
 - Contributed to front-end and back-end development, fixed critical bugs, implemented new features, and improved system functionalities.
- Navavishkar Innovation Hub, IIT Tirupati** May 2024 - June 2024
STAR-PNT Research Intern Tirupati, India
 - Skills Used:** Machine Learning, Computer Vision, Flutter
 - Developed a group attendance system using face detection and recognition, tested and trained models, worked on an end-to-end pipeline, and contributed to Flutter application development.

PROJECTS

- Library Management App**
Design Credit Project / Dr. Romi Banerjee
 - Designed and completed full-stack development of a cross-platform Library Management App with API integration for college using team collaboration, and wireframing.
 - Tools & technologies used:** Flutter, dart, Node.js, MySQL, API, wireframing, App Dev, UI/UX
- Text Classifier for Emails**
Pattern Recognition and Machine Learning, IIT Jodhpur / Prof. Richa Singh.
 - Implemented machine learning algorithms, deployed models, and created a interface. Performed data visualization for exploratory data analysis.
 - Tools & technologies used:** NLTK, Streamlit, Pickle, Machine Learning, NLP
- Customer Segmentation**
Pattern Recognition and Machine Learning, IIT Jodhpur / Prof. Richa Singh
 - Classified customer types using clustering algorithms, implemented RFM analysis for segmentation. Performed data visualization for exploratory data analysis.
 - Tools & technologies used:** Machine Learning, Dataset analysis, Numpy, Pandas, Seaborn, matplotlib

KEY COURSES TAKEN

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

TECHNICAL SKILLS

- Programming:** C/C++, Python, JavaScript, SQL, Dart
- Tools:** Git, Jupyter Notebook, Google Colab, Figma
- Libraries/Frameworks:** Pandas, Numpy, scikit-learn, Tensorflow, Pytorch, OpenCV, flutter
- Web Skills:** HTML/CSS/JS, ReactJS/NextJS, Web3
- Soft Skills:** 3Cs- Commitment, Collaboration, Communication; Leadership

POSITIONS OF RESPONSIBILITY

- Vice President**, Society of Alumni Affairs, IIT Jodhpur Oct 2023 - May 2024
- Secretary**, ACM Student Chapter, IIT Jodhpur Sep 2022 - Aug 2023
- Student Guide**, Student Wellbeing Committee, IIT Jodhpur Aug 2022 - July 2023

ACHIEVEMENTS

- Silver Medal**, Student Distinguished Services Award, IIT Jodhpur 2024
- 350+ Days Streak**, Geeks for Geeks, Problem of the Day 2024
- 8th Position**, Inter IIT, Theatre Arts, Cult Meet 6.0 2023