# Vishal Shyam Dasani

Roll No:M22CS015
Master of Technology
Computer Science and Engineering
Indian Institute Of Technology, Jodhpur

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## EDUCATION

| Degree | Institute /Board | CGPA/Percentage | Year |
|---|---|---|---|
| M.Tech CSE | Indian Institute of Technology,Jodhpur | 7.63 (Current) | 2022-2024 |
| B.Tech CSE | Institute of Engineering and Rural Technology,Prayagraj | 8.8 | 2018-2022 |
| Senior Secondary | ISC | 80.60% | 2016-2017 |
| Matriculation | ICSE | 87.33% | 2014-2015 |

## PROJECTS

- **Project Management & Information System** — *Ongoing*
  *Ministry of Textiles Project, Government of India* — **Github**
  - Developing an in-house digital portal with Django for the Central Wool Development Board, Jodhpur.
  - Key modules include user/role management, project proposal submission, approval tracking, progress reporting, fund release and real-time backup.
  - Improving efficiency and data security while providing comprehensive reports for decision-making.
  - Tech Stack: **HTML, CSS, Javascript, SQLite, Bootstrap, Django, Github.**

- **SentimentSage - Customer Review Analysis Platform** — *Aug 2023*
  *Walmart Sparkathon Project* — **Github**
  - Developed a user-friendly dashboard that allow users to select specific businesses and view critical metrics, enhancing decision-making capabilities.
  - Employed NLP and machine learning to automate customer sentiment analysis, reducing time and cost.
  - Tech Stack: **Plotly Dash, PySpark, distilBERT , NLP, AWS.**

- **SecureChatX - Real-time Encrypted Chat Application** — *Sept 2023*
  *Self Project* — **Github**
  - Developed a secure, real-time chat application with end-to-end encryption , ensuring user privacy and data integrity.
  - Implemented multiple encryption modes (DES, RSA, ElGamal) to provide users with flexible security options.
  - Tech Stack: **Python (Server-Side), Tkinter (UI), Socket Programming (Real-Time Communication), DES, RSA, ElGamal (Encryption Methods).**

- **Personalized Fashion Recommender System** — *Aug 2023*
  *Flipkart Grid Round 2 Project* — **Github**
  - Utilized Convolutional Neural Networks (CNNs), transfer learning with ResNet50, and the Nearest Neighbors algorithm, all implemented in Python, to create a personalized fashion recommender system with a user-friendly Streamlit web interface.
  - Tech Stack: **CNNs, ResNet50, Nearest Neighbors, Python, Streamlit, Github.**

## SKILLS

- **Programming** : C/C++, Java, Python, JavaScript, SQL.
- **Tools & OS**: Git, Jupyter Notebook, Google Colab, Linux, Windows.
- **Libraries/Frameworks**: Pandas, Numpy, scikit-learn.
- **Web Skills**: HTML/CSS/JS, Bootstrap, Django.
- **Cloud Computing Skills**: Docker, Virtualization, Google Cloud Platform, AWS.

## KEY COURSES TAKEN

- **Computer Science** : Object Oriented Programming in C++, Data Structures and Algorithms, DBMS, Virtualization and Cloud Computing, Software and Data Engineering, Distributed Database Systems.
- **Mathematics**: Introduction to Data Science.

## CERTIFICATIONS

- **C++ Programming for Beginners** (Udemy).
- **Data Structures &Algorithms in C++** (Udemy).
- **Programming Foundations with HTML,CSS and Javascript** (Coursera).
- **Python and Django Full Stack Web Developer Bootcamp** (Udemy).

## POSITIONS OF RESPONSIBILITY

- **Teaching Assistant at IIT Jodhpur, CSE Department**,taught subjects including DSA and Software & Data Engineering.
- **Volunteer at Padharo 2.0**,IIT Jodhpur,2023.

## ACHIEVEMENTS

- **Achieved a top 2% ranking in GATE CSE 2022** ,highlighting strong dedication and aptitude in computer science. *(2022)*
- **Earned a Gold Badge in C++ and Python** ,on HackerRank. *(2022)*
- **Participated in Flipkart Grid Round 2**, showcasing problem-solving skills, technical skills, and teamwork. *(2023)*