

EDUCATION

JK LAKSHMIPAT UNIVERSITY, JAIPUR

2020 - Present

Bachelor of Technology, Computer Science and Engineering

- Selected for the International Conference on Sustainable Future Innovations in Education 2022.
- Current CGPAE – 7.9

IIT, GANDHINAGAR

2022 – 2022

Bachelor of Technology, Computer Science and Engineering (for 4th semester)

- Completed one semester in the student exchange program.
- GPA - 4

TAGORE PUBLIC SCHOOL

2019- 2020

Physics, Chemistry, Mathematics, and Information Practices

- Percentage - 88%

TECHNICAL SKILLS

- | | | | |
|----------------------|-----------------------|-------------------------------|-------------------|
| • Python | • Machine Learning | • Java | • Big Data |
| • Data Analyst | • Data Visualization | • Natural Language Processing | • My SQL |
| • Web Development | • Django | • Flask | • Cloud Computing |
| • Program Management | • Root Cause Analysis | • IOT | • |

PROJECTS

BOOK RECOMMENDATION

April 2023 – June 2023

- Created a recommendation system (Collaborative filtering and Popularity) with WebApp
- Tools used: **Machine Learning Models, HTML, CSS, JavaScript, and Flask (web app).**

TEXT SUMMARIZER

January 2023 – March 2023

- A text Summarizer using GLoVe
- Tools used: **Machine Learning, NLKT(Modelling), HTML, CSS, JavaScript, and Flask (web app).**

CREDIT CARD FRAUD DETECTION WITH ANN

September 2022 – October 2022

- Detecting how and at what time and for how long Fraud occurred.
- Tools used: **Machine Learning, TensorFlow, Keras.**

ANALYSE NETFLIX MOVIE DATASET

March 2006 – December 2007

- Analyse Netflix Movies Dataset.
- Tools used: **Pandas, Numpy, Matplotlib, Seaborn**

ANALYSIS OF COMPONENTS INFLUENCING THE CURRENT CLIMATE CHANGE

January 2021 – February 2021

- Worked with two aims in Computational Data Analysis: "ZERO HUNGER" and "CLEAN WATER AND SANITATION."
- Tools used: **Numpy, matplotlib, pandas, Seaborn.**

BIG DATA ANALYSIS WITH HADOOP TOOLS

January 2023 – April 2023

- Analysis of USA Tech Companies.
- Tools used: **Hadoop, Sqoop, Hive, and Pig.**

DISEASE DETECTION WITH GIVEN SYMPTOMS

February 2023 – April 2023

- This project aimed to develop a disease detection system that utilizes machine learning algorithms to analyze patient symptoms and predict potential diseases.
- Tools used: **Beautiful Soup for web scraping for data collection and ML pipeline.**

BUILD A MINI AIRCRAFT

August 2022 – August 2023

- Made up of Balsa Wood and Fuel compositions to check its durability.

PUBLICATIONS AND PATENTS

- **FATIGUE ANALYSIS OF SAE8620: SYNERGISTIC EFFECT OF THERMAL TREATMENTS AND SURFACE ROUGHNESS (PAPER)** Experiments on material AISI8620. Performed tests, including **Fatigue tests, Surface Roughness, and Heat Treatment. Data optimization by Minitab Software. Publication - DOI: 10.1080/2374068X.2022.2152594**
- **STATISTICAL ANALYSIS OF ONLINE LEARNING FOR EDUCATION DURING A PANDEMIC (PAPER)** - A study on the impact of COVID-19 on students in various age groups due to online learning has been published. **Publication - International Journal of Engineering Applied Sciences and Technology, 2016 Vol. 1, No. 8, Pages 1-9**
- **CRAWLING SPY (PATENT)** - This project aims to build a multi-legged robot that looks like a biological spider for the military's defense sector to spy on the opposition. Tools used: **RaspberryPie, Sensors, OpenCV, and Python. Application No. 383780-001 (Applied).**
- **CANAL WATER CLEANING DESIGN (PATENT)** - A product was designed, and a model was developed to clean the water. Approved by GOI. Find it unique and grant a patent for the same. **Design No. 346658-001.clean**

INTERNSHIPS

- **RESEARCH INTERN** - (June 2022 – Aug 2022): Research Work for "Geometrical and Topological Methods of Machine Learning."
- **ML INTERN**- CybraneX, New Delhi (January 2023 – June 2023): Building Models for AI Tools, working with AI and Unity, and Designing Website.

CERTIFICATES

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|---|--|---|------------------------------|
| • Fundamentals of Network Communication | • Peer-to-Peer Protocols and Local Area Networks | • Packet Switching Networks and Algorithms | • TCP/IP and Advanced Topics |
| • Introduction to Software Engineering | • Java for Android | • Google Cloud Computing | • Introduction to DevOps |
| • Programming with Cloud IoT Platforms | • MATLAB Onramp | • International Conference on Sustainable Future Innovations in Education | • |