



**DIKSHA JHA**

IMSc - Maths & Computing

**Roll No. :** IMH/10055/19

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## CAREER OBJECTIVE

Work closely with your business to identify issues and use data to propose solutions for effective decision making. build algorithms and design experiments to merge, manage, interrogate, and extract data to supply tailored reports to colleagues, customers, or the wider organization

**PROFILE SUMMARY** A data enthusiast with the passion of delivering valuable data through analytical functions and retrieval methods. Adept at collecting, analyzing and interpreting large data sets, developing new forecasting models and performing data management tasks. Having analytical skills and significant ability to work in team environments

## EDUCATION

**IMSc 2019 - 2024**

BIT Mesra | BIT Mesra | Percentage - **77.7**

**12th 2018 - 2019**

J.H Tarapore School | ISC | Percentage - **79**

**10th 2016 - 2017**

J.H Tarapore School | ICSE | Percentage - **87.4**

## PROJECTS

**Crypto AI Pro** Jun, 15, 2023

Mentor: **Yashwant Sai Melpati** | Team Size: **2**

**Key Skills:** UI/UX - Figma | Web - Angular | Mobile - Angular | ML layer - Google colab | keras | API Layer - Python-Flask | Backend Layer - MySQL

Crypto AI Pro is an easy-to-use mobile and web app, where the user gets the top 3 AI recommended bitcoins to invest for the day. Crypto AI Pro is also a community build-up app that helps users to know about their stock preferences and help them get monetized for recommending better options.

he app signs up user and gives updates about the top Bitcoins of the day and preferably profitable moves of the day.

Further, we have created a model where a person engages into Bitcoin mining and if he regularly gets beneficial results we give him a streak which marks him from regular app user and he is then required to join a panel where his steps can be followed by normal users with lesser knowledge and whoever by following him gets profit a small percent goes to the expert. This ensures lower risk and higher learnings.

Each transaction that occurs on our app is easy and seamless wherein we earn at each successful transaction.

Tech stack: Figma, Angular, Flask - python, ML, SQL

The future scope involves auto-investing by feeding requirements.

Follow this link for viewing: <https://crypto-ai-pro.web.app/>

**Designed and Developed Stock market prediction system and predicted the NIFTY 50 Index applying machine learning technique**

Mentor: **Dr. Ranjan Behera** | Team Size: **1**

**Key Skills:** Python | Google Collab | LSTM | RNN | CNN

Designed and Developed Stock market prediction system and predicted the NIFTY 50 Index applying machine learning technique

## An integrated regression model for credit card fraud detection coping with missing value Imputation. Jun, 14, 2022

Mentor: **Dr.Ranjan Behera** | Team Size: 2

Key Skills: **Python** **Google Collab** **Random Forest** **Logistic Regression** **Naive Bayes** **Ms Excel**

In this paper we have explained the concept of frauds related to credit cards. Here we implement different machine learning algorithms on an imbalanced dataset such as logistic regression, naïvebayes, random forest with ensemble classifiers using boosting technique. An extensive review is done on the existing and proposed models for credit card fraud detection and has done a comparative study on these techniques. So Different classification models are applied to the data and the model performance is evaluated on the basis of quantitative measurements such as accuracy, precision, recall, f1 score, support, confusion matrix. The conclusion of our study explains the best classifier by training and testing using supervised techniques that provides better solution.

## Position of Responsibility

### Dance Club BIT Mesra Jan, 01, 2021 - Jun, 01, 2022

Treasurer

Key Skills: **Financial analysis** **Stratergic Report production**

responsibility for the safekeeping of the funds of the Club. I was responsible for recording all income and expenditures and for reporting on the financial position of the Club to the Club Executive Committee on an ongoing basis.

### NSS BIT Mesra Jun, 03, 2021 - Jul, 01, 2022

Village Education Program Coordinator

Key Skills: **Leadership** **Communication** **act of selflessness**

co-ordinate the Village Education Program activities in accordance with the volunteer's ability and community demands.

## PROFESSIONAL EXPERIENCE

### Birla Institute of Technology, Mesra Jun, 14, 2022 - Jun, 04, 2023

Machine Learning Research Intern

Key Skills: **Python** **Google Collab** **Random Forest** **Logistic Regression** **Naive Bayes** **LSTM** **RNN** **CNN**

The objective of my Data Science Research Internship is to work on how to deploy big data and machine learning approaches on development issues; and particularly to analyze and learn from text-based sources of data using natural language processing algorithms and tools.

### Tata Steel Jul, 01, 2022 - Aug, 12, 2022

Business Intelligence Summer Intern'22

Key Skills: **Tableau** **Python** **Ms Excel** **Ms Powerpoint** **Microsoft Power BI**

- Assisted in examining information using data analysis tools so that they can help their employers make important decisions by identifying various facts and trends.
- My role involved in writing reports and present them to the management to provide new insights about new trends and areas for improvement.
- Helped in producing strategic documents for product development.

## KEY EXPERTISE / SKILLS

### Interpersonal

**COMMUNICATION** **LEADERSHIP**

### Technical

**DATA VISUALIZATION** **DATA ANALYSIS** **DATA MINING** **DATA CLEANING** **PYTHON** **JAVA**  
**TABLEAU** **SQL** **MS EXCEL** **DATA MODELLING** **STATISTICAL COMPUTING** **PRODUCT DEVELOPMENT**

## PERSONAL DETAILS

Father's Name: **Rakesh jha**

Known Languages: **english,Hindi**

Gender: **Female**

Current Address: **59,Shisham Road,New Cable Colony,Jamshedpur-831003 , EAST SINGHBUM , India - 831003**

Date of Birth: **Sep, 23, 2000**

Blood group: **O+ve**

Mobile No.: **9304190457**

