

# Niramay M.Patel

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## Education

**Indian Institute of Science Education and Research (IISER), Bhopal**

August 2023 – Present

BS in Computer Science

- GPA: 3.84/4.0
- **Coursework:** Linear Algebra, Multi-variable Calculus, Discrete Math, Data Structure and Algorithm

**Atmiya Vidya Mandir, Surat, Gujarat**

Passed in March 2023

- 12th Result: 94.8%

## Experience

**Research Intern**

MOON Labs

IISER-Bhopal, India

Dec 2024 – Present

- Currently learning **Computer Vision** and **Robotics** for the research project.
- **Problem Statement:**  
Optimizing the hyperparameters for camera and IMU configurations in OpenVINS. Additionally, converting the OpenVINS codebase to Python, making it more modular and enabling easy integration of different algorithms.

**Project Intern**

Personify

Remote

March 2024 – May 2024

- Engineered a **Hate Speech Detection system** using Decision Tree Classifier with an accuracy of **88%**.
- Developed a **Spam SMS Classifier** leveraging machine learning algorithm Naive Bayes, which reduced unsolicited message complaints.
- Conducted comprehensive credit EDA (Exploratory Data Analysis) to analyse raw data to figure out factors influencing creditworthiness.
- **Skills Acquired:** Numpy, Pandas, Matplotlib, Seaborn, re, Skit-learn, Data Preprocessing, Model Training, Performance measure techniques

## Projects

**Bollywood Celebrity Face Matching**

[github repo](#) 

- A **transfer learning** project utilizing pre-trained ResNet50 CNN to match an uploaded face with the most likely Bollywood celebrity.
- Tools Used: Python, CNN, Streamlit, Skit-learn

**Credit EDA**

[github repo](#) 

- Performed EDA on dataset with over **300,000 rows and 122 columns**. It involves exhaustive data preprocessing, visualization, and analysis. Finally, a Logistic Regression model is trained to verify the effectiveness of the data preprocessing steps.
- Tools Used: Jupyter Notebook, Numpy, Pandas, Matplotlib, Skit-learn

**Personal Portfolio Website**

[github repo](#) 

- This website showcases my basic frontend web development skills.
- Tools Used: HTML, CSS, Javascript

## Extra-Curricular

- Part of **Developers' team** in Computer and Network Council of my university.
- Achieved the best score in the **BRICS Math Competition**.