

Niramay M.Patel

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Education

Indian Institute of Science Education and Research (IISER), Bhopal
BS in Computer Science

August 2023 – Present

- 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, we convert 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** utilizing the Naive Bayes machine learning algorithm, which reduced unsolicited message complaints.
- Conducted a comprehensive credit EDA (Exploratory Data Analysis) to analyze raw data to determine 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 data sets with more than **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

Certifications

Machine Learning Specialization by Stanford and DeepLearning.AI

[certificate](#) 

- **Topics covered:** Supervised Machine Learning, Advanced Learning Algorithms, Unsupervised Learning, Recommenders, Reinforcement Learning

Extra-Curricular

- Part of **Developers' team** in the Computer and Network Council of my university.
- Achieved distinction in the **BRICS** Math competition.