# Atharv Kothekar

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## EDUCATION

**Manipal University Jaipur**                                                                         **Expected 2025**
Bachelor of Technology (B. Tech) in Computer Science Engineering (Hons.) IoT (GPA – 8.07/10)        *Jaipur, RJ*

**New Horizon Scholars School**                                                                              **2021**
CBSE Grade XII (CGPA – 8.24/10)                                                                         *Thane, MH*

**Euroschool Thane**                                                                                         **2019**
ICSE Grade X (CGPA – 9.25/10)                                                                           *Thane, MH*

## SKILLS

- **Programming Languages:** Python, JavaScript, Java, C++, HTML, CSS
- **Database:** SQL, MySQL
- **Tools & Technologies:** Git, GitHub, Jupyter Notebook
- **Libraries and Frameworks:** Keras, Tensorflow, PyTorch, scikit-learn, Django

## PROJECTS

- **DeepFake Detection using Transformers (PyTorch, dlib, HuggingFace)**        **Jan-present 2024**
  - Ongoing minor project under the Head of Department of my branch.

- **Migraine Classification using Machine Learning** (Python, Tensorflow)        **Oct-Nov 2023**
  - Dataset from Code Ocean, containing records of users with several pathologies associated with migraines.
  - Data was recorded by trained medical personnel at the Centro Materno Infantil de Soledad.
  - Visualized findings using SHAP.

- **Sarcasm Detection on Twitter and Reddit Posts using Natural Language Processing**        **Sept-Oct 2023**
  - On the Large Self-Annotated Corpus for Sarcasm dataset.
  - Used GLoVe, an unsupervised learning algorithm for obtaining vector representations of words, and LSTM architecture of Recurrent Neural Networks (RNN).
  - Achieved an ~88% accuracy on training and validation.

- **End-to-end ML Project on Fuel Efficiency Trends of Vehicles** (Flask, Heroku, Python)        **Aug 2023**
  - Dataset from the UCI repository.
  - EDA and Machine Learning concepts used.
  - Deployed on Heroku using Flask.

## EXTRACURRICULAR

- Placed 12th amongst 400+ teams in BREACHED 4.0, a CTF event organized by IEEE MUJ
- Finance & Registration team for ELICIT 2023, a tech-fest organized by MUJ ACM S-CHAPTER