

# Erfan Naseri Taheri

☎ (+91) 95824-16977 ✉ thr.naseri@gmail.com 🐙 github.com/erfannsr 🌐 linkedin.com/erfannsr

## EDUCATION

---

### Jamia Millia Islamia University

New Delhi, India

*Bachelor of Technology - Computer Engineering; CPI: 9.17*

*2020 - Present*

**Relevant Courses:** Artificial Intelligence, Computer Vision, Data Mining, Data Structures, Analysis and Design of Algorithms, Database Management, Operating System, System Software, Software Engineering, Compiler Design, Embedded Systems, Parallel and Distributed Computing

## SKILLS SUMMARY

---

**Technical Skills:** Machine Learning, Deep Learning, Artificial Intelligence, Computer Vision, Natural Language Processing

**Languages:** C/C++, Python, SQL, MATLAB

**Frameworks:** PyTorch, Scikit-learn, NumPy, Pandas, TensorFlow, Keras, HuggingFace, OpenCV

**Tools:** Git/GitHub, VS Code, Google Colab, Jupyter

**Soft Skills:** English Proficiency, Teamwork-oriented, Writing

## RESEARCH EXPERIENCE

---

### Undergraduate Researcher

July 2023 - Present

*Jamia Millia Islamia, New Delhi*

- **Supervisor:** Dr. Sarfaraz Masood
- **Description:** Current project is Sentiment analysis of visual content using captions enriched with Adjective-Noun-Pairs (ANP). Earlier, I was working on sentiment analysis of images from social media using Vision Transformer (ViT). Achieved state-of-the-art performance using ViT for visual sentiment analysis.

### Undergraduate Research Assistant

December 2022 - July 2023

*Jamia Millia Islamia, New Delhi*

- **Supervisor:** Dr. Mohd Zeeshan Ansari
- **Description:** Research conducted on sentiment analysis of Hindi-English code-mixed tweets. Experienced novel approaches for encoding code-mixed text.

## PUBLICATIONS

---

### Animal Identity Recognition using Object Detection Techniques

*MZ Ansari, F Ahmad, **EN Taheri**, RGJ Reddy, F Mabood*

- Presented in International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2024) organized by RVS College of Engineering and Technology, Coimbatore, India on 10-11, January 2024.
- to be Published by ScienceDirect

## PROJECTS

---

### Real-time Video Dehazer for Indoor Fire Hazard Scenarios

- Team project for the Smart India Hackathon 2023
- Developed a novel deep learning/machine learning model for real-time de-hazing/de-smoking of indoor fire hazard videos
- Tech: Python, PyTorch, OpenCV
- Dec. 2023

## A Transformer-Based Approach for Image Sentiment Analysis

- B.Tech Minor Thesis
- Used Vision Transformer (ViT) for sentiment analysis of images from social media.
- Tech: Python, PyTorch, ViT, HuggingFace
- July 2023 - Dec. 2023
- [Link to project](#) | [Link to thesis](#)

## India's Stock Market Prediction

- Project for HackJMI 2023
- Used LSTM for analysis of India's stock market for different symbols and predicted for the next 45 days
- Tech: Python, Keras, Tensorflow, NSEpy
- Feb. 2023
- [Link to project](#)

## HONORS AND AWARDS

---

- Smart India Hackathon 2023 Grand Finalist - December 2023
- HackJMI Participant - February 2023

## VOLUNTEER EXPERIENCE

---

### World Food India | *Interpreter (Persian)*

November 2023

Provided interpretation services for a non-English speaking Persian businessman representing Bitatin at the World Food India event in New Delhi. Ensured effective communication during business meetings, negotiations, and presentations. Collaborated closely with the Bitatin team to ensure accurate understanding of business requirements and objectives. Demonstrated strong language proficiency, adaptability, and cultural sensitivity in a dynamic and multicultural business environment.

### AI/ML Short-Term Training Program | *Teaching Assistant*

July 2023

As a Teaching Assistant in the three-week AI/ML STTP conducted by the Department of Computer Engineering, JMI, I took part in preparing study materials and helped students by answering their questions and clearing their doubts.

### IEEE Computer Society JMI | *ML/AI Team Member*

March 2022 - January 2023

As an AI/ML team member, I helped the team in preparing related content for the talks and events held by the society.

## EXTRACURRICULAR ACTIVITIES

### Table Tennis Team Member

Feb. 2024 - Present

*Department of Computer Engineering JMI*