

Ashish Prajapati

ashish2772006@gmail.com | 8168027116 | Portfolio

ABOUT ME

Motivated 3rd-year IT student with strong interest in Machine Learning, Data Science, and AI innovation. Passionate about solving real-world problems through intelligent systems, research, and continuous learning.

EXPERIENCE

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY (MNIT), JAIPUR

RESEARCH INTERN

June 2025 – July 2025

- Conducted research on reverse engineering and exploit analysis in a cybersecurity environment.
- Studied real-world Metasploit exploits such as EternalBlue (MS17-010), VSFTPD v2.3.4 backdoor, Samba Username Map Script exploit, etc.
- Hands-on experience using Kali Linux, Metasploit, and Meterpreter shell for penetration testing.
- Strengthened knowledge of system exploitation, payload execution, and defense mechanisms.

PHARMSIGHT RESEARCH AND ANALYTICS

MACHINE LEARNING INTERN

June 2025 – July 2025

- Performed feature engineering (FE) and exploratory data analysis (EDA) using Python.
- Implemented and compared supervised and unsupervised ML algorithms.
- Built a Multiple Disease Prediction System using SVM and deployed a Streamlit web app.
- Improved understanding of deployment, optimization, and healthcare data modeling.

PROJECTS

MULTI LANGUAGE TRANSLATOR

(Github) (Project Link)

- Combines fine-tuned mBART (Transformer) and custom LSTM Seq2Seq for accurate and flexible translation.
- Transfer learning implementation – Fine-tuned pre-trained mBART for domain-specific translation
- Flask and Streamlit apps with Hugging Face integration for seamless access.

FACE MASK RECOGNIZER

(Github) (Project Link)

- CNN-based face mask detection model for images and live video.
- TensorFlow/Keras CNN with OpenCV, delivered via Streamlit/Flask.
- Supports single-image, group-photo, and webcam inference.

MOVIE SENTIMENT ANALYSIS SYSTEM

(Streamlit-Github) (Streamlit Link)

- Built a sentiment analyzer using SimpleRNN deep learning model trained on IMDB dataset.
- Created Streamlit apps for testing and demonstration.
- Implemented preprocessing pipeline with word embedding (128-dim), sequence padding, and binary classification (Positive/Negative) with sigmoid activation.

EDUCATION

RAJASTHAN TECHNICAL UNIVERSITY

B.TECH IN INFORMATION TECHNOLOGY

Expected: April 2027 | Kota

CGPA: 7.6 / 10

SKILLS

PROGRAMMING

Python • C/C++ • Java

HTML • CSS

TECHNOLOGY

Git/Github • Docker

Windows • Linux • Kali

Streamlit • Flask

Pandas • NumPy

Matplotlib • Seaborn

Scikit-learn • Tensorflow

VS Code • Colab

ML • DL • NLP

CERTIFICATES

• Completion of Industrial Training at MNIT, Jaipur [Click Here]

• Completion of Industrial Training at PharmSight Research and Analytics [Click Here]

• In Top 35 at National CyberShield Hackathon [Click Here]

• Complete Data Science, ML, DL, NLP Bootcamp [Click Here]

ACHIEVEMENTS

• 5x National Hackathon Finalist

• National CyberShield Hackathon by MP Police

• TechJam 2.0 by Code Rangers x Microsoft

• Arjuna 2.0 by NIT Agartala

LINKS

Github: ashishprajapati2006

LinkedIn: ashishprajapati27

Streamlit:

ashishprajapati2006