

PRIYANSHU PRASAD

WEB DEVELOPMENT | ML/DL

CONTACT



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SKILLS

Languages: C++, Python, MATLAB, SQL, HTML, CSS, JavaScript .

Tools/Frameworks: TensorFlow , Scikit-learn, Keras , Pandas, NumPy, PowerBI, Matplotlib, Seaborn, MySQL, Django.

Courses: DSA, Data handling & Visualization, ML, Web Technology, Arial robotic design.

EDUCATION

Rajiv Gandhi Institute of Petroleum Technology

Computer Science and Design Engineering

Nov 2022 - Present (Till 3rd sem)CPI - 7.85

Kendriya Vidyalaya

Intermediate

Mar 2020 - Apr 2021 Percentage - 93.2

Matriculation

Mar 2018 - Apr 2019 Percentage - 78..5

AREA OF INTEREST

Cyber Security

Drones

Deep Learning

Data Science

Machine Learning

Game Design

Convolution Neural Network

PROJECTS

MatteMaster: Advanced Image Background Removal

03/2024 - Present

- Developed an advanced **image matting** solution using the **U²-Net architecture** to precisely **remove backgrounds**.
- Implemented deep learning techniques for semantic segmentation to achieve **pixel-level accuracy**.
- Techstack** - Python , TensorFlow
- [GitHub](#)

TrustCheck: Chrome extension to identify fake news

- Developed a Chrome extension using machine learning to combat misinformation in Indian media.
- Implemented **decision tree classifier and LSTM models** for authenticating news articles.
- Integrated models seamlessly into a **user-friendly interface** for real-time analysis.
- Techstack** - Python , TensorFlow , sklearn , Flask, HTML, CSS, JavaScript
- [GitHub](#)

MesoNet-based Deepfake Identification System

- Developed and implemented a **MesoNet model** utilizing Convolutional Neural Networks (**CNNs**) to detect deepfake images, leveraging a **dataset of 190k** real and fake images.
- Achieved an **accuracy rate of 86%** in distinguishing between real and deepfake images, demonstrating the effectiveness of the MesoNet model in detecting synthetic media.
- Techstack** - Python , TensorFlow , Matplotlib , Google colab , CNN
- [GitHub](#)

Creating Visualizations and Analysis with PowerBI

- Developed an **in-depth analysis** and visually compelling , **interactive and responsive dashboard** using **PowerBI** for an ecommerce company - [GitHub](#)
- Created an engaging, visually appealing, and user-friendly **dashboard** using **PowerBI** to visualize data on **road accidents**.
- [GitHub](#)

ACHEIVEMENTS

- Selected as one of the **Top 100 startup ideas** in **Cisco cohort - 6**.
- Advanced to the prototyping stage in the **Google Map hackathon**.
- Ranked among the **Top 16 teams** in the **World Robotic Championship** organized by **AICRA**.

POSITION OF RESPONSIBILITY

- Coordinator , Tinkering Lab (Science and Technical Council RGIPT)
- Executive , Cisco ThinkQubator student chapter RGIPT

LANGUAGES

English
Hindi