

# Mudit Vashistha

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## EDUCATION

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- **Vivekananda Institute of Professional Studies, GGSIPU**  
*Bachelor of Technology ; CPI: 8.313 (current)* New Delhi, India  
2022-2026
- **St.Gregorios School (Senior Secondary School)** New Delhi, India  
2009-2021

## SKILLS

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- Machine Learning
- Deep Learning
- Frameworks: Tensorflow, Scikit-Learn, OpenCV, Bootstrap
- Languages: Python, SQL, HTML, CSS
- MongoDB
- Data Analysis: NumPy, Pandas, Matplotlib
- Front End Web Development: React, HTML, CSS, Bootstrap

## EXPERIENCE

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- **Om Logistics, New Delhi (Internship)**  
*MERN Stack Developer*
  - Setting up and creating full stack websites using MERN Stack.
  - Project : Built a basic ERP (Enterprise Resource Planning) system
- **Kashti Adventures (Internship)**  
*Front End Web Developer*  
[Website Link: https://kashtiadventures.com/](https://kashtiadventures.com/)
  - Handled and Designed the Front-End layout of the Website
  - Handled the Formatting and Storage of Data of **12+ Indian States** and **5+ International Destinations**
  - Tech Stack:- HTML, CSS, JS, TypeScript, Bootstrap

## PROJECTS

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- **ERP (Enterprise Resource Planning) System**  
[\[Github Link\]](#)
  - Developed a Back-End integrated user-side interface **for account login, account creation**
  - Users can **upload files** upon successful login and may also **access their upload history**.
  - Developed a Back-End integrated admin-side interface for **admin login**
  - Admins can access all the details about the uploaded files in the database, such as the **name of the file, name of the uploader, upload time and date** and the respective **email id** through which the upload has been made
  - Front end Technology: **React, EJS, HTML, CSS, JS**
  - Back-End Technology: **Express, Node.js**
  - Database: **MongoDB**
- **BinaryHug**  
[\[Github Link\]](#)
  - Created Datasets for movies, books and songs by scraping data using **BeautifulSoup, Pandas**
  - Scraped names of **20-50** books, movies and songs
  - Created a basic API using **Flask** to fetch data from **MongoDB** database
  - Created a Web UI using **Streamlit**
  - Performed **NLP** on user input to determine the user's mood

- **Deepfake Detection using CNN**

[\[Github Link\]](#)

- Implemented a **Convolutional Neural Network** to detect deepfake in images .
- Trained the model with **400-500** real and fake images
- Achieved a model accuracy of **94%**

- **Unknown Identity Alert System**

[\[Github Link\]](#)

- Made use of the **Face Recognition Library** to perform face verification .
- Verified the **Face encodings** on personal photos as well
- Made use of the **Pushbullet API** to send alerts to device

- **Speech to Text Conversion Along with Language Conversion**

[\[Github Link\]](#)

- Implemented the **speech\_recognition** library for speech to text transcription .
- Provides language conversion from English to **5** other languages (**Spanish, Russian, Japanese, German, French**)
- Performed language conversion using **googletrans** library

- **Predicted Literacy and Average IQ**

[\[Github Link\]](#)

- Used data of nearly **50** Asian Countries .
- Implemented **Linear Regression** followed by **Multi target regression** using **Scikit-Learn, numpy and pandas library**
- Made use of **Matplotlib** library for graphical representation of processed data

## PUBLICATIONS

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**Mudit Vashistha, Sarthak Jain, Aryan Pradhan, Shubham Pandey, Dr. Sandhya Tarwani**

***A Comparative Analysis of Machine Learning and Deep Learning Approaches in Deepfake Detection (2024)***

Published in:- <https://ieeexplore.ieee.org/document/10752209>

## CERTIFICATIONS

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- Cybersecurity for Everyone, University of Maryland
- ChatGPT for Everyone, Guvi
- Python, Guvi
- TCS Ion Career Edge - Young Professional
- Web Development Training, Internshala
- IBM SkillsBuild Summer Internship Program
- Solutions Architecture Job Simulation (Forage, AWS)

## POSITIONS OF RESPONSIBILITY

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- Interned as an **admin** at **BGMS Season 2**.
- Interned as an **admin** at **BGMI India Korea Invitational, 2023**
- Interned as an **admin** at **VCSA Split-1, Cup 2**
- Interned as an **admin** at **Snapdragon Pro Series 2024**