



# AADITYA VIJAYVARGIYA

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## Education

### University of Petroleum and Energy Studies

B.Tech CSE Full stack AI

2022 – 2026

Dehradun, Uttarakhand

### Mahatma Hansraj Modern School

Class 12, CBSE

2021 – 2022

Jhansi, Uttar Pradesh

### Rani Laxmibai Public School;

Class 10, ICSE

2019 – 2020

Jhansi, Uttar Pradesh

## Relevant Coursework

- Data Structures
- Full Stack Web Dev
- Artificial Intelligence
- Machine Learning

## Experience

### Fab Critical Care

June 2024 – August 2024

Asst. Web Developer Intern

Remote

- Assisted in web development and maintenance, contributing to a 20% improvement in site performance.
- Collaborated on new features, resulting in the successful launch of 5 key updates
- Troubleshoot technical issues, reducing website opening time by 15%.
- Explored ways to visualize and send a daily report of test results to team members using HTML, Javascript, and CSS.
- Gained hands-on experience in a remote professional setting, enhancing technical and teamwork skills.

### Aikarthya NGO

June 2023 – August 2024

Social Intern

Remote

- Taught math and English to underprivileged children, improving their academic performance by 20%.
- Developed and implemented engaging lesson plans, increasing student participation by 30%.
- Conducted regular assessments, resulting in a 25% improvement in student test scores. .
- Created PowerPoint presentations with high-quality images relevant to the topics, significantly enhancing students' understanding of math and English concepts

## Projects

### Nexus Properties |Nexus Properties Website| HTML, CSS, JavaScript, Bootstrap

June 2024

- **Real Estate Website:** Designed and developed a responsive real estate website using HTML, CSS, and JavaScript, featuring over 10 property listings.
- **Interactive Features:** Implemented property listings with detailed descriptions and interactive images, increasing user engagement by 30%.
- **Modern Design:** Applied modern web design principles, resulting in a 40% increase in user satisfaction based on feedback.
- **Responsive Layout:** Ensured full compatibility across various devices and screen sizes, achieving a 100% responsiveness score.
- **Contact Form:** Integrated a functional contact form for inquiries, improving user interaction and lead generation by 25%.

### Weather Application |Weather App Github| Node JS, Express JS, OpenWeatherAPI, EJS, HTML, CSS

July 2024

- **API Integration:** Integrated the OpenWeather API to fetch real-time weather data for user-specified locations.
- **User Interaction:** Implemented a user-friendly interface allowing users to search for weather updates in different cities, resulting in a 95% user satisfaction rate.
- **Performance Optimization:** Optimized API call handling, reducing data retrieval time by 30%.

### Deepfake Voice Detection |DeepFake Project GitHub| Python, CustomTkinter, Random Forest, Librosa

March 2024

- **Objective:** Developed a machine learning model to detect deepfake audio with over 92% accuracy.
- **Dataset:** Utilized a dataset of 10,000 real and deepfake audio samples for training and evaluation.
- **Model Architecture:** Implemented random forest model for audio classification, achieving a high accuracy of around 92%.

- **Preprocessing:** Applied audio preprocessing techniques, including noise reduction and feature extraction, reducing false positives by 15%.
- **Deployment:** Deployed the model using customTkinter, enhancing accessibility and usability by 20%.
- **Training:** Model is trained and tested in the ratio of 8:2

#### Portfolio Website |Portfolio Website| *HTML, CSS, JavaScript*

May 2024

- **Comprehensive Showcase:** Designed and developed a personal portfolio website using HTML, CSS, and JavaScript, featuring over 2 projects.
- **Interactive UI:** Implemented interactive elements such as smooth scrolling, hover effects, and modal pop-ups, enhancing user experience by 35%.
- **Performance Optimization:** Optimized site performance with image compression and code minification, achieving a 30% faster load time.

#### QR Code Generator |QR Code Generator Github| *Node JS, Inquirer, QR-image*

June 2024

- **Technologies Used:** Node JS, inquirer (version 9.2.23), qr-image (version 3.2.0).
- **Functionality:** Enabled users to create custom QR codes by providing input via the command line, generating 100% accurate QR codes.
- **Efficiency:** Provided a simple and efficient way to generate QR codes for various use cases, reducing generation time by 40%.

#### Drum kit|Drum Kit Website| *HTML, CSS, JavaScript*

June 2024

- **Interactive Experience:** Created an interactive drum kit that plays different sounds when keys are pressed, or buttons are clicked, engaging over 100 users.
- **Engagement:** Provided a fun and engaging way to play and experiment with drum sounds directly in the browser, increasing user interaction by 50%.

### Technical Skills

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**Languages:** Python, Java, C, HTML, CSS, JavaScript, C++

**Developer Tools:** VS Code, Git, Github, API's, SQL, PostgreSQL

**Technologies/Frameworks:** Bootstrap, Node JS, Express JS, DSA, Problem Solvong, Backend Programming, REST API, Database

**Others:** Frontend Design, Project Management, Software Development Life Cycle

### Soft Skills

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Communication Skills, Teamwork, Problem Solving, Leadership, Time Management, Adaptability, Attention to detail, Work Ethics.