

# VINAY SADHWANI

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## Education

**Rajiv Gandhi Institute of Petroleum Technology**

**Dec. 2021 – June 2025**

*Bachelor of Technology in Information Technology — SPI: 9.16\**

*Jais, Amethi*

## Experience

**GeeksforGeeks**

**Jan 2024 – Present**

*Data Science Freelancer*

*Remote*

- Working on **Articles** related to impact of **Deep Learning** and **AI** as well as new trends in the field of **Data Science**.

**Rajiv Gandhi Institute of Petroleum Technology**

**Jan 2024 – Present**

*Applied Mathematics Tutor*

*Jais, Amethi*

- Teaching **Applied Mathematics** to first year students.

**GeeksforGeeks**

**Oct 2023 – Jan 2024**

*Technical Content Writer Intern – Certificate of Completion*

*Remote*

- Authored **Articles** encompassing **Machine Learning** frameworks, libraries, **Data Science** methodologies, in both **Python** and **R** languages.

## Projects

**OpenGenius** | *Transformers, Torch, Numpy, Python*

**January 2024**

- Developed a GPT-like model using the **Transformers** architecture and trained it on the Open Web Text Corpus.
- Implemented techniques in **Natural Language Processing (NLP)** to achieve high-quality text generation.

**SoundScape** | *fft, Scipy, Scikit-Learn, Numpy, Python*

**November 2023**

- Added realistic audio to **Google Navigation**.
- Manipulated audio amplitude and frequency to create immersive spatial experiences.
- Implemented changes in **Audio Dimensions**, resulting in distinct auditory perceptions in each ear when listened to through headphones.

**PACKtrack** | *HTML, ReactJs, Tailwind CSS, php, SQL*

**April 2023**

- Created a web platform by harnessing **React** for frontend development, integrating **PHP** and **SQL** for backend operations.
- This innovative system efficiently bridges **Movers and Packers** with their customer base, fostering seamless connections and streamlined interactions through a purpose-built website.

## Technical Skills

**Languages:** Python, Java, C/C++, MATLAB, R, Go

**Web Technologies and Frameworks:** HTML/CSS, JavaScript, React, Next.js, Flask, Django, TypeScript, PHP

**Databases:** MySQL, MongoDB

**App Development:** React Native

**Version Control:** Git, GitHub

**Deep Learning Frameworks:** TensorFlow, PyTorch, Keras, Chainer, Caffe, DL4J

**ML Architectures:** CNN, YOLO, BERT, GPT, LSTM, GAN

**Tools:** Docker, VS Code, Pycharm, Jupyter, Android Studio

## Certifications

- Practical Numerical Methods Using Python – **INDIAN INSTITUTE OF TECHNOLOGY , KANPUR**
- Google Data Analytics Capstone: Complete a Case Study – **Coursera**
- California Institute of Arts: Visual Elements of User Interface Design – **Coursera**
- Python Project for Data Science – **IBM**
- AI Programming with Python – **UDACITY**

## Achievements

- Secured an All India Rank of **2041** in GATE Data Science and Artificial Intelligence 2024.
- Successfully completed **Hacktoberfest 2023** by submitting four pull/merge requests.
- Qualified for **Amazon ML Summer School 2023**, demonstrating proficiency in Machine Learning Algorithms.
- Selected for **AWS AI/ML Scholarship 2023**.
- Top 1.84% in **IIT-JEE ADVANCED 2021**.
- Among the 40 students selected for ACM India Summer School 2023 on **Algorithms for Data Science** from applicants across India.