

EDUCATION

- **INDIAN INSTITUTE OF PETROLEUM AND ENERGY** Visakhapatnam, AP
Bachelor of Technology in Chemical Engineering ; CGPA: 8.01 Nov. 2020 – May. 2024
- **SAINT JOHN'S SCHOOL** Sewad Bari, Rajasthan
Senior Secondary Examination; Percentage: 76% Apr. 2017 – May. 2019
- **Saint Paul's School** Kuchaman City, Rajasthan
Secondary Examination; CGPA: 10 Apr. 2007 – Mar. 2017

PROJECTS

- **Online Real-Time Face Emotions Reader** [↗](#) *Python, Numpy, Matplotlib, OpenCV, Ajax, Django*
 - Developed an online real-time face emotions reader.
 - Utilized cutting-edge technology: Artificial Intelligence, OpenCV, Python, and Django
 - Trained over four million faces belonging to over 4,000 individuals model achieves an accuracy of 97.35 % (+/- 0.25 %) on the LFW dataset benchmark.
 - Capable of detecting seven different emotions, including joy, sadness, neutrality, anger, disgust, fear, and surprise
- **HTML Forms Syntax Generator** [↗](#) *Html, CSS, Python, OpenCV*
 - Developed an HTML forms syntax generator using image processing techniques and OpenCV algorithms
 - Automated the process of creating HTML forms based on simple MS Paint images, saving web developers time and effort
 - Implemented mathematical operations to detect corners and edges in referenced images
 - Tested the generator on a variety of images with different layouts and dimensions to ensure robustness
- **DisKuss (Search Engine cum Website)** [↗](#) *Html, CSS, JavaScript, Python, Django, PostgreSQL, pytesseract*
 - Developed an educational website with PostgreSQL database integration
 - Implemented a search functionality that allows users to search for questions in both text and image formats
 - Utilized image processing techniques to enable users to search for questions based on images, such as screenshots or pictures of handwritten notes
 - Demonstrated proficiency in database management, web development, and computer vision technologies

SKILLS

- **Languages:** JavaScript, C++, Python
- **Libraries/Frameworks:** Numpy, Pandas, Matplotlib, OpenCV, Django, Three.js
- **Databases:** PostgreSQL
- **Other:** Bootstrap, Git and GitHub
- **Courses:** Data Structures and Algorithms, Programming Using C++, The Python Programming

ACHIEVEMENTS AND CO-CURRICULAR

- **500+ coding Problem Solved** : Solved more than 500 problems on different coding websites
- **JEE (Advanced) 2020** : Secured around AIR 5046 (OBC) in JEE Advanced 2020.
- **SAMARPAN Talent Hunt 2020** : Secured 2nd rank at district level exam conducted by SAMARPAN, a renowned JEE preparation institute
- **10th Standard Result** : Secured 10 C.G.P.A. in 10th standard.

LETTER OF RECOMMENDATION

- **HPCL, Mumbai** [↗](#) *Technical Skills*
 - Provided by Ms. Poonam Sandeep Sawant
 - Designation: Deputy General Manager (DGM) - Technical PAD