

Omprakash Pandey

+91-9029193357 | omprakashpandey1517@gmail.com | [linkedin.com/in/omprakash-pandey-88812824b](https://www.linkedin.com/in/omprakash-pandey-88812824b)

OBJECTIVE

- Seeking an opportunity to contribute to innovative projects while gaining practical experience in a dynamic environment.

EDUCATION

D.Y. Patil College of Engineering (DYPCOE)

B.E. in Artificial Intelligence and Data Science

Nov 2022 – Present

Pune, India

IIT Madras

B.S. in Data Science and Applications

Jan 2023 – Present

Chennai, India

EXPERIENCE

Torchit

Web Development Intern

Mar 2025 – Present

Ahmedabad, India

VOLUNTEERING

Tarkshastra

Debate Chancellor

– I Lead, Mentor, and Strategize for my Debate Team.

Debate & MUN Club, DYPCOE

DimensionForge

Hackathon Organizer

– Organized a 3D environment design workshop during IIT Madras Fest (Paradox24).

3D Environment Design

Offbit Studio

Co-Founder & Managing Director

– Managing development of *Castle of Shadows*, a horror genre PC game.

Game Development Club

PROJECTS

Vision AI | *Python, OCR, DeepFace, Gemini Vision Pro, TFLite*

– This project, Vision AI, is designed to assist visually impaired individuals by using speech recognition, facial recognition, and text-to-speech functionalities.

– Speech Recognition, Image Capture & Compression, Facial Recognition, Text-To-Speech(TTS), Data Parsing & Structuring, Exporting to Excel.

Rainfall Prediction Model | *Machine Learning*

– Built a model to predict rainfall in Maharashtra, aiding farmers in crop selection.

Image Captioning in Hindi | *Natural Language Processing, Deep Learning*

– Developed an image captioning system using NLP techniques to generate Hindi descriptions for images.

– Utilized datasets like MS COCO and Flickr8k with preprocessing techniques, including stemming for Hindi.

Automated Form Data Extraction | *Python, OCR, Natural Language Processing*

– Built a tool to automatically extract relevant data from forms (like invoices and applications) using OCR and NLP techniques.

– Implemented data parsing, structuring, and exporting to Excel formats for easy analysis.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, SQL.

Frontend: React. Backend: Django, Node.js.

Database: MySQL, MongoDB. Cloud: GCP.

CERTIFICATIONS

Python for Data Science - NPTEL.

INTERESTS

Singing, Playing Badminton and Basketball, Reading Books.

ACADEMIC RECOGNITION & ACTIVITIES

Topper Badge in English and Python from IIT Madras.

Cultural Co-Coordinator of ISA (DYPCOE) for 2023-24; Cultural Lead for 2024-25.

Performer at college-registered band, as a Vocalist.