

Final-year computer science student with 1+ years of experience in Data Engineering and AI/ML solutions. I am passionate about Development and Data Science, and eager to use my expertise to enhance business operations.

EDUCATION

Bachelor of Technology in Computer Engineering
Pandit Deendayal Energy University, Gandhinagar

CGPA: 8.63
Nov 2021 - May 2025

TECHNICAL EXPERIENCE

Data Engineer
Sharperly

Aug 2024 — Present
(Remote) Nigeria

- Enhanced and managed scalable **data pipelines** for geospatial data processing, improving data handling efficiency by **36%**.
- Contributed to **ETL processes** to streamline data flows, facilitating efficient training of machine learning models.
- Led integration efforts to support the platform's credit management and routing workflows.
- Collaborated with cross-functional teams and stakeholders using **GitHub**, **Jira**, and **Confluence** to drive technical documentation and business needs.

Data Science Intern
Sharperly

Mar 2024 — July 2024
(Remote) Nigeria

- Developed a geocoding solution using **Python (Flask, Geopandas, etc.)**, reducing dependency on Google Cloud API and cutting costs upto **55%** monthly.
- Scraped and processed **10,000+** addresses data using **Overpass Turbo**, **Beautiful Soup**, and **Selenium**.
- Optimized **MongoDB** databases to store data, and further contributed to authentication and **credit management systems** for APIs.

Android Developer Intern
Patchmax Ltd.

May 2023 — Aug 2023
Ahmedabad, Gujarat

- Assisted in UI improvements and **API integration**, leading to a 23% increase in user engagement.
- Implemented web scraping using **Python**, **Beautiful Soup**, and **Selenium**, increasing data acquisition efficiency by 18%.
- Created **apps** in **Kotlin**, integrated libraries like Glide, Retrofit and Firebase resulting in a **20%** reduction in crash rates and improved asynchronous operations.

PROJECT

Driver Pay Forecasting : Uber NYC Driver Pay Prediction

Feb 2024 - May 2024

- Implemented **machine learning** and **deep learning** models (ANN, Random Forest, LSTM, BiLSTM, LSTM+GRU) and performed **comparative analysis** for pay prediction
- Analyzed and Visualized factors impacting Uber driver pay through features like date, time, location, and other trip details using **PowerBI**.

ChatPdf AI : Chat with Your PDF

Dec 2023 - Feb 2024

- Enhanced productivity and decision-making in document analysis with **89%** accuracy using NLP, **Streamlit**, **LangChain**, **PyPDF2**, and **FAISS** for an efficient retrieval system. (**RAG System**).
- Transformed document analysis with **Google Generative AI**, deploying the advanced system on **Streamlit Cloud** and enhancing the retrieval process.

Autograder : Precision in Every Grade

Sept 2023 - Nov 2023

- Assisted a **six-member team** to develop an automated grading system, using React for the front end, **Python** with **Flask** for model integration, backend logic, and **MongoDB** for data storage.
- Achieved over **80%** accuracy in grading by analyzing **NLP** with BERT-Uncased and employing **Spacy** and **PyTesseract** for image processing.

SKILLS

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|-------------------------|---|
| Languages and Databases | Python, C, Java, HTML+CSS, MongoDB, Firebase, MySQL, PostgreSQL |
| Libraries and Framework | Scikit-learn, TensorFlow, Flask, Pandas, NumPy, Matplotlib, Seaborn |
| Tools | Asana, Jira, Render, Compass, Git, Github, PostMan, Docker, AWS EC2 |
| Areas of Interest | Natural Language Processing (NLP), LangChain, LLMs, Generative AI. |

EXTRACURRICULARS

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| • Presented paper titled <i>"Automated Sleep Stage Classification using Machine Intelligence Techniques"</i> at ADCIS 2024, BITS Pilani (accepted/presented/under press in Springer Journal) | September 2024 |
| • Indian Weather Prediction: Ranked in Top-5 for Kaggle's ML Olympiad (Forecasting India's Weather) | April 2024 - May 2024 |
| • President, Tattvam - The Sanskrit Club of PDEU | June 2023 - May 2024 |
| • Civic and Social Internship at Vardaan Foundation, Vadodara. Volunteered to teach digital literacy to underprivileged students | June 2022 - July 2022 |
| • Graphic Design Head, Tattvam - The Sanskrit Club of PDEU | May 2022 - May 2023 |

CERTIFICATIONS

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| • Generative AI Project | July 2024 |
| • Understanding Incubation and Entrepreneurship | May 2024 |
| • Generative AI with Large Language Models | Mar 2024 |
| • LLMs: RAG with LLamaIndex and Azure OpenAI | Mar 2024 |
| • Applications of AI/ML in Biomedical Signal Processing and Computer Vision (BSPCV) | July 2023 |
| • Excel for Beginners | Feb 2022 |
| • C Language | Dec 2021 |