

DEV DEEP NARAYAN

Phone: +91 9953923996 | devdeepnarayan@gmail.com

GitHub: <https://github.com/Haiirohito> | LinkedIn: <https://www.linkedin.com/in/devdeep>

EDUCATION

VIT Bhopal, University

Bachelor of Engineering (Major in Computer Science)

Cumulative GPA: 8.20/10.0

Bhopal, Madhya Pradesh

Expected June 2026

INDUS VALLEY PUBLIC SCHOOL, Noida

Class 12th (CBSE)

Cumulative GPA: 7.4 / 10.0

Noida, Uttar Pradesh

2021 – 2022

Class 10th (CBSE)

Cumulative GPA: 8.6 / 10.0

2019 - 2020

UNIVERSITY PROJECTS

AI-Based Product Recommendation System

Tech Stack: Python, Flask, Web Scraping, NLP (TF-IDF, Cosine Similarity), SCRAPER API

- Engineered a product recommendation system using NLP techniques (TF-IDF and cosine similarity) to match ~1,200 user queries with relevant products.
- Streamlined data collection and enrichment by automating Amazon product extraction via SCRAPER's API, reducing manual effort by 40%.
- Boosted model training speed by 25% through advanced preprocessing (lemmatization, noise removal), enhancing overall relevance and accuracy.
- Developed a Flask-based web interface for real-time product suggestions, enabling quick deployment and user interaction with minimal latency.

Sanskrit Transliteration & Pronunciation Tool

Tech Stack: Python, TensorFlow, gTTS, NLTK, spaCy for pre-processing).

- Developed a comprehensive **Sanskrit-to-English transliteration system** with integrated **text-to-speech (TTS) functionality**, specifically designed to improve accuracy and natural pronunciation compared to existing solutions. This involves sophisticated **Sanskrit Text Processing** to prepare text for accurate transliteration and audio synthesis.
- Implemented **Text-to-Speech Module** that leverages state-of-the-art TTS libraries. This module synthesizes clear, accurately pronounced English speech from the transliterated Sanskrit, ensuring high-quality audio output for users.

SoilSense – Earth Engine + Django Environmental Analytics Tool

Tech Stack: Django, Google Earth Engine, JavaScript, Leaflet.js, Chart.js, HTML/CSS, Python

- Built a Django web app that retrieves vegetation and moisture indices (NDVI, NDMI, EVI, AWEI, etc.) using Google Earth Engine for any drawn geographic region.
- Integrated an interactive Leaflet.js map allowing users to select land via polygon drawing; data processed with Earth Engine and returned dynamically.
- Visualized multi-year environmental index trends (2018 onward) through intuitive charts, aiding researchers and land analysts in environmental monitoring.
- Delivered a full-stack solution combining geospatial analysis, remote sensing, and user-centric web design for impactful real-world utility.

ACTIVITIES

Fine Arts Club – Core Member

Roles: Creative Team (Year 1), Event Management Team (Year 2)

2023 – 2024

- Spearheaded the planning and execution of **5 major college events**, leading to a **34% increase in sponsorships and outreach** compared to previous years.
- Promoted from creative contributor to event leader, showcasing **strong leadership**, coordination, and multi-team collaboration under tight timelines.

ADDITIONAL

Technical Skills: Python, C++, JavaScript, HTML/CSS, React Native

Languages: English, Hindi

Certifications & Training:

Python for Data Science and Machine Learning Bootcamp Udemy (Aug 14, 2024)