DEV DEEP NARAYAN

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EDUCATION

VIT Bhopal, University   Bhopal, Madhya Pradesh
Bachelor of Engineering   Expected June 2026
      Major in Computer Science
      Cumulative GPA: 8.20/10.0

INDUS VALLEY PUBLIC SCHOOL, Noida   Noida, Uttar Pradesh
Class 12th (CBSE)
      Cumulative GPA: 7.4 / 10.0   2021 – 2022
INDUS VALLEY PUBLIC SCHOOL, Noida   Noida, Uttar Pradesh
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.

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, Reach Native
Languages: English, Hindi
Certifications & Training:

AWS Solutions Architect – Associate Certification Program	ETHNUS (Jan-Apr 2025)
NPTEL Online Certification Marketing Analysis	NPTEL (Jan-Apr 2025)
NPTEL Online Certification Cloud Computing	NPTEL (Jan-Apr 2024)
Problem Solvers: Mastering Data Structures & Algorithms	FACE Prep (24, Apr 2024)
Python for Data Science and Machine Learning Bootcamp	Udemy (Aug 14, 2024)
Bit and Bytes of Computer Networking	Google (27, Dec 2023)