

Vartul Chanana

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EDUCATION

University of Petroleum and Energy Studies

B.Tech in Computer Science (AIML)

Dehradun, India

2022 – 2026

CBSE - Class 12

Percentage: 81.23%

India

2022

CBSE - Class 10

Percentage: 86.2%

India

2020

EXPERIENCE

Social Intern

Local Farmers' NGO, India

May 2023 – July 2023

- Collaborated with 20+ farmers to analyze yield trends using data-driven tools.
- Conducted awareness drives impacting 20+ individuals on sustainable agriculture.
- Improved vendor coordination, reducing delivery delays.

AI Intern

@NASSCOM (Remote), India

May 2025 – June 2025

- Explored generative AI tools including Google's Gemini models for cloud-native tasks.
- Worked on prompt engineering and LLM APIs for text generation and classification.
- Used Vertex AI Studio to train and evaluate custom ML models on Google Cloud.
- Managed AI workflows using Cloud Workstations and GCP Workbench for development.

Member, Microsoft Technical Community

UPES, India

Jan 2023 – June 2024

- Participated in 10+ workshops and hackathons across cloud, DevOps, and ML topics.
- Collaborated on peer-learning projects and technical demos.

PROJECTS

Smart Inventory Management System — MERN Stack

Feb 2024

- Developed REST APIs using Node.js and Express.js for inventory CRUD operations and forecasting.
- Implemented real-time database sync with MongoDB for seamless stock tracking.
- Enhanced order accuracy by 25% using historical pricing insights.

Sentiment Analysis for Voter Identification — Python, ML, NLP

- Built sentiment classification model using scikit-learn on 10,000+ text samples.
- Utilized NLP techniques like TF-IDF, POS tagging, and emotion scoring.
- Visualized sentiment trends to assist in voter behavior analysis.

TECHNICAL SKILLS

Languages: Python, C++, C, HTML, CSS, JavaScript

Frameworks: React.js, Node.js, Express.js

Databases: MongoDB, MySQL

ML/AI Libraries: Pandas, NumPy, Matplotlib, TensorFlow, PyTorch, scikit-learn

Tools: Git, GitHub, GitLab, Postman, Docker, Kubernetes, Jenkins, TravisCI, GCP, VS Code, PyCharm, IntelliJ

ACHIEVEMENTS AND CERTIFICATIONS

AWS Certified Solutions Architect – Associate (SAA-C03)

GFG Certificate – Predictive Modeling

Completed AI & Machine Learning Bootcamp – Built 3 predictive models

Mastered Generative AI using Gemini & ChatGPT