

## ANSH UPADHYAY

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### TECHNICAL SKILLS

- ❖ Programming Language: Python
- ❖ Web & Backend: Flask (REST API)
- ❖ Database & Data Handling: MySQL, Pandas, PandasAI
- ❖ Version Control: GitHub.
- ❖ Cloud Platform: Google Cloud Platform (GCP Deployment)

### EDUCATION

- ❖ Bachelor of Technology (B.Tech) in Computer Science and Engineering | Hindustan College of Science and Technology, Mathura — 2024
- ❖ XII (CBSE) | Holy Public School — 2019
- ❖ X (CBSE) | Holy Public School — 2017

### EXPERIENCE

- ❖ **SOFTWARE DEVELOPER INTERN | ZILAXY** (JAN-2025 -Current)
  - Developed backend features using Python and MySQL, gaining hands-on experience with Flask and Restful API design.
  - Processed and analyzed structured data using Pandas and PandasAI for intelligent responses.
  - Developed AI-powered frontend features by integrating ChatGPT and other LLMs for user interaction.
  - Collaborated via GitHub and deployed full-stack applications to Google CloudPlatform (GCP).
  - Explored full-stack deployment techniques and gained hands-on experience with cloud and AI integration.

### ACADEMIC PROJECTS

- ❖ **MEDICORE AI- SMART DIAGNOSIS & PATIENT MANAGER.**
  - Built full-stack medical assistant using Python, Flask, MySQL, and Angular.
  - Integrated OpenAI, ChatGPT ,API for AI-based diagnosis suggestions.
  - Designed RESTful APIs in Flask and managed structured data in MySQL.
  - Developed responsive frontend in Angular for patient and diagnosis management.
  - Applied LLM prompt engineering for symptom-based medical inference.

❖ **Zilaxy – One-Page Business Website (Full-Stack).**

- Built a responsive one-page business homepage using Angular, HTML5, and CSS3, with AI-assisted frontend development.
- Used ChatGPT and other LLMs to generate UI components, improve code structure, and streamline frontend logic.
- Implemented backend with Python Flask and integrated MySQL for secure data storage.

❖ **Census Data Analysis – Python Pandas Project**

- Performed exploratory data analysis on the U.S. Census dataset using Python and Pandas.
- Cleaned and transformed raw data (census.csv) by handling missing values, data types, and outliers.
- Extracted insights on population demographics, age distribution, income brackets, and education levels.
- Structured the output for reporting, highlighting trends and patterns for data-driven decision making.

## ACHIEVEMENTS

- ❖ Certified Data Analyst – Informatics Institute (2025)