PRERNA BHATIA

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EDUCATION

Bachelor of Technology in Computer Science and Engineering
Pranveer Singh Institute of Technology, Kanpur | 2021 – 2025
CGPA: 7.8/10
Relevant Coursework: Data Structures, Database Management Systems, Software Development

Intermediate (CBSE Board)
Shree Sanatan Dharam Education Centre, Kanpur | 2020-2021
86.16%

EXPERIENCE

Infosys Springboard Internship (Remote)   Oct 2024 -Dec 2024
- Developed RESTful APIs in Python for a dynamic e-commerce cake delivery platform with customization features.
- Integrated OCR achieving 90% text recognition accuracy for handwritten design requests.

SKILLS

Languages: Python, Structured Query Language, Html, CSS
Database Management: PostgreSQL
Framework and Libraries: Flask, Bootstrap
Data Analysis: Pandas, NumPy, EDA
Tools & Platforms: Jupyter, VSCode, GitHub, Postman, Astronomer
Soft Skills: Effective Communication, Quick Learner, Time Management

PROJECTS

MIND BUDDY- AI POWERED COMPANION FOR MENTAL HEALTH
Tech Stack: ReactJS |Redux |NodeJS| Whisper AI | Firebase

- A web application for mental health management, AI integrating AI technologies to provide personalized support and resources.
- Integrated Whisper AI for personalized user interactions based on voice input.
- Enhanced user well-being by 7% through AI-driven insights and interactive mental health solutions.

END-TO-END ETL PIPELINE USING APACHE AIRFLOW AND ASTRO
Tech Stack: Apache Airflow |Astro |Python| APIs| PostgreSQL
- Developed a complete **ETL (Extract, Transform, Load) pipeline** using Airflow and Astro CLI for workflow scheduling.
- Integrated a real-time Weather API to extract JSON data at regular intervals.
- Leveraged **Astro's development environment** to deploy, test, and visualize DAGs effectively using the Airflow UI.
- Loaded the data into a PostgreSQL database for analysis and further use in dashboards or reporting.

SIGN TALKS
Tech Stack: Django |HTML |CSS |NLTK (Python-based Web Framework)
- Pioneered front-end system for converting text to animated content; empowered users to produce a diverse range of animations.
- Utilized **Django** for building a scalable and robust backend system, ensuring 99 percent uptime and seamless user interactions.
- Implemented **Natural Language Processing (NLP)** tasks using **NLTK**, enabling accurate **text analysis and language translation**, with a 90 percent accuracy rate in converting text to animation.

CERTIFICATIONS

- Tata Group Data Analytics Job Simulation on Forage - June 2025
- Python Programming -Infosys Springboard
- AWS Cloud Practitioner Essentials- Amazon
- HTML, CSS, and JavaScript for Web Developers - Johns Hopkins University