DHRUV KHANNA

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EXPERIENCE

New Stance 🔗
Python Developer Intern
📅 February 2024 – March 2024

- Collaborated across **Automation** and **Web** Divisions to improve processes and enhance online functionalities.
- Leveraged **Django** framework to build a robust portal for seamless query resolution, reducing query resolution time by 40%.
- Implemented automation scripts that improved task efficiency by **60%** at New Stance.
- Streamlined data management by automating view counting tasks, enhancing efficiency by over **80%** and ensuring **99%+** data accuracy.

PROJECTS

BrainStack
Web Application for Collaborative Task Management
📅 January 2024

- Built a **Django** platform for 500+ collaborative rooms, with secure user authentication, customizable profiles and interactive messaging, supporting up to 5000 registered users.
- Created a responsive frontend using **HTML**, **CSS**, and **JavaScript**, projected to boost user engagement by 40% and thus reduce bounce rates.
- Integrated **Agora SDK** and **Django Rest Framework** for video conferencing, supporting up to 50 concurrent users per room and targeting 1000 video calls monthly.
- Deployed a **PalmAPI**-driven chatbot expected to handle 1000+ user queries per month, with **FilePond** integrated for file sharing up to 100 MB per file
- Used **SQLite** as a primary database with optimised queries for features like Searching, Top Hosts and Room Filters.
- Implemented secure email password resets via **SMTP**, targeting a 95% success rate.

VoiceSphere
Personal Voice Assistant
📅 July 2023

- Voice-controlled assistant capable of recognizing commands and responding through speech.
- Implemented **speech_recognition** for accurate voice recognition achieving an 95% accuracy rate and **pyttsx3** for natural text-to-speech conversion.
- Integrated **pywhatkit**, **webbrowser** and **wikipedia** for performing web searches, resulting in over 500 successful searches daily.
- Capable of fetching time, date, weather information, perform basic arithmetic calculations with an error rate of less than 1%.
- Offers 4 voice modes and can respond to various miscellaneous statements like jokes and generic responses.

POSITIONS OF RESPONSIBILTY

- Founder of CodeDesk community having network of 500+ individuals.
- Placement Representative at IIIT Gwalior
- Member of International Association of Engineers (IAENG).
- Core Team Member in Aurora '24, the Cultural Fest of IIIT Gwalior.

EDUCATION

B.Tech in Computer Science , 7.98 CGPA
IIIT Gwalior, India
📅 November 2022- June 2026

CBSE-XII 95.6%
SNSPS, Yamuna Nagar, India
📅 April 2021 – April 2022

SKILLS

Languages
Python | C/C++ | Swift | Java | SQL | Javascript | Bash

Backend
Django | DRF | FastAPI | DialogFlow | OAuth

Automation and Scraping
Selenium | Scrapy | Puppeteer | Regex | PyTest

Database Systems
SQLite | MySQL | PostgreSQL | Realm

Tools
Git & Github | Postman | Insomnia | XCode | Canva | DaVinci

ACHIEVEMENTS

- Selected in top 10 teams of HackHub, 2023.
- Highest rating on Codechef - 1474, Two star.
- Achieved 5 star rating on HackerRank.
- 4 times Gold Medalist in NSO and IMO.
- 99.3 percentile in JEE MAINS.

CERTIFICATIONS

- Python Data Structures - UM 🔗
- Python Course - Google 🔗
- iOS Mobile Development - Meta 🔗

COURSEWORK

Data Structures & Algorithms | CN | OOPS | Operating System | DBMS