

Vivek Lalchand Gupta

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PROFILE

Enthusiastic and detailed-oriented BSc IT student with a foundation in software development, Database management, and problem-solving. Passionate about learning a new technology and applying programming skills to real-world challenges. Seeking an opportunity to contribute and grow dynamic IT environment.

WORK EXPERIENCE

- Fresher

PROJECT

- **Chanakya (Voice assistant) | Python, NLP**

Github :- <https://github.com/Vivek1054/CHANAKYA>

Developed a Python-based voice assistant that accepts commands both via voice input and text chat, processing them using speech recognition and Natural Language Processing (NLP) to automate tasks and provide responses. Implemented automation for scheduling, reminders, and basic Q&A functionalities.

Technologies: Python, JavaScript, Eel, HTML/CSS, MySQL, SQLite, Bootstrap, Textillate.js, Porcupine, pyttsx3

- **Key Features:**

- **Dual Command Input:** Supports voice commands through hotword detection and speech-to-text, as well as manual text-based chat commands.
- **Voice Command Processing:** Integrated Porcupine for hotword detection, voice-to-text conversion, and pyttsx3 for speech synthesis.
- **Interactive Web UI:** Built with Eel (Python + JavaScript), featuring animations via Textillate.js, wave visualization using SiriWave, and responsive design with Bootstrap.
- **Smart Assistant Functions:** Includes launching apps and websites, YouTube and Wikipedia search, chatbot interaction via HugChat, and WhatsApp messaging/calling automation using ADB.
- **User Access Modes:**
 - **Login/Signup:** Secure authentication and session management with MySQL backend.
 - **Guest Mode (Trial Mode):** Time-limited access for new users with auto-expiry, focusing on minimal resource use and no chat history display.

- **Normal Mode:** After Login one can get full access to it. It has more features than the Guest Mode such as Chat History and have option to switch Incognito Mode and also have themes for change GUI
- **Incognito Mode:** Ensures privacy by not storing any chat history or session data.

EDUCATION

- Secondary School Certificate (2019 - 20) – 72%
(St. Sebastian English School)
- Higher Secondary School Certificate (2021 - 22) – 66.67%
(D.T.S.S. College of Commerce)
- Bachelor of Science in Information Technology (2022 - 25) – 8.47 CGPA
(Prahladrai Dalmia Lions College)

SKILLS

- Programming Language : Python, Java, C, C++
- Web Development : HTML, CSS, Bootstarp, Tailwind, JavaScript, PHP ,React(Learning)
- Database Management : MySQL, SQLite
- Microsoft Office : Word, Excel, PowerPoint.
- Tools : VS Code, GitHub.

Extra-Curricular Activities

Enhancing problem-solving and teamwork skills. Engaged in group projects and developing strong communication abilities. Involved in sports and cultural activities.

HOBBIES

- Travelling
- Gaming
- Cricket

Additional Details

- Open to roles: React Developer, Junior Full Stack Developer and Python Developer.
- Willing to learn and adapt new skills and technologies as per the needs
- Fast work with using some built-in UI components from Frameworks or library (Tailwind, Bootstrap..) and also with AI