VICKY KUMAR

Ghaziabad, Uttar Pradesh

📞 8766291652 ✉ vickyworks50@gmail.com in Linkedin ⌾ Github

Education

JIMS Engineering Management Technical Campus, GGSIPU(Delhi)   Sep. 2021 – July 2024
Bachelor of Computer Application, CGPA: 8.7/10   *Noida, UP*

Skills

Languages: Python [AI/ML, Numpy, Pandas, Django, Matplotlib], HTML5/CSS3, JavaScript, SQL, NoSQL
Technologies/Frameworks: Node/Express.js, React.js, Next.js,Web3.js, Tailwind CSS
Concepts: Object Oriented Programming, Basics DSA, Machine Learning
Developer Tools: VS Code,Jupyter Notebook, Google Collab, Git/GitHub
Database: MySQL, MongoDB, PostgreSQL

Personal Projects

Personal Finance Tracker – Python Project | **January 2025**

- Developed a CLI-based Personal Finance Tracker using Python, pandas, matplotlib, and CSV for efficient data management and visualization. Improved Python skills by 40%, demonstrating strong abilities in data processing, visualization, and file handling.
- Implemented error handling and input validation using try-except blocks to ensure robust functionality, reducing runtime errors and boosting stability by 30%, thereby showcasing strong problem-solving and debugging skills.
- Used Git for version control and GitHub for collaborative development. Streamlined team workflow with effective branching, commits, and pull requests, optimizing version management and maintaining code integrity across multiple revisions.

  Utilized matplotlib to visualize income vs. expense trends, improving data visualization skills by 60% through dynamic time-series plotting. ⌾

Virtual Voice Assistant | *Python*   **January 2023**

- Technologies: Python, SpeechRecognition, pyttsx3, News API, Requests, BeautifulSoup (bs4), YouTube API
- Developed an interactive voice assistant that processes user speech using SpeechRecognition and converts text to speech with pyttsx3 for seamless communication.
- Integrated multiple functionalities, including fetching top news from the News API, retrieving Wikipedia data, opening the camera, and playing songs
- Implemented web scraping techniques using Requests and BeautifulSoup (bs4) to extract relevant information from websites efficiently.
- Strengthened Python proficiency by 30% through hands-on experience in API integration, web scraping, and automation using libraries like requests and BeautifulSoup. ⌾

Experience

CodSoft   **Sept. 2023 – Oct. 2023**
Python Development Intern   *Noida*

- Technologies: Python, Tkinter, GUI Development
- Developed multiple interactive applications using Python, including a To-Do List app with a user-friendly interface, a GUI-based calculator, and a Password Generator for creating strong, secure passwords.
- Designed and implemented graphical user interfaces (GUIs) using Tkinter, ensuring smooth user interaction and efficient functionality.
- Enhanced Python UI development skills by 35% and unique password generation expertise by 30% through hands-on experience in GUI design, event handling, and security features. ⌾

Certifications

- Artificial Intelligence Primer Certification(Infosys)
- Data Analysis with Python (incl. hands-on projects)
- Ethical Hacking (IIT Kharagpur/Swayam)
- Introduction to Cyber Security (Swayam-cec)
- Career Essentials in Generative AI by Microsoft and LinkedIn

Competitive Programming

- Solved 150+ Data Structures & Algorithms (DSA) problems on platforms like HackerRank, LeetCode, and GeeksforGeeks (GFG).