

VICKY KUMAR

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🌐 [Linkedin](#)

🐙 [Github](#)

📁 [Portfolio](#)

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 [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

- Python Full Course Certification – GeeksforGeeks
- Data Analysis with Python (incl. hands-on projects)
- Artificial Intelligence Primer Certification(Infosys)
- 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).