

VAIBHAV RAJ

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[LinkedIn](https://www.linkedin.com/in/vaibhav-raj-0x/) (https://www.linkedin.com/in/vaibhav-raj-0x/) | [GitHub](#) | [Portfolio Website](#)

TECHNICAL SKILLS

Languages: Python, HTML CSS & Java Script

Frameworks & Libraries: Django, Bootstrap, Tailwind, Numpy, Pandas, Matplotlib, Seaborn

Tools & Database: VS Code, Git, Qt Designer, MS Excel, MySQL, SQLite, PostgreSQL, MongoDB

Other Skills: Data Structures and Algorithms, AI & ML, APIs, REST APIs, Docker

ACHIEVEMENTS

- Qualified GATE 2024 & 2025 in Data Science and Artificial Intelligence (DA) and 2025 in Computer Science (CS).
- Earned a 5-star Gold badge for Python on HackerRank.
- Solved 130+ problems on GFG and 110+ problems on LC, demonstrating strong algorithmic and data structure skills.

PROFESSIONAL EXPERIENCE

Intern- Solution Developer

Sept 2024 - March 2025

iTech Mission Private Limited

Green Park, Delhi

- Developed Django-based chatbot APIs using ML, NLP, and MongoDB for the Mauritius Helpline & Government Projects, enabling multilingual support (Dutch, French, Spanish, English) and real-time data retrieval.
- Contributed to the MauStats platform, a large-scale project, creating scripts to extract insights from CSV files and streamlining the report generation process and optimizing data integration workflows.
- Integrated Docker for containerization and optimized chatbot workflows for scalability and performance.
- Built a gender-related chatbot using Ollama Mistral LLM, incorporating DuckDuckGo & Wikipedia, public APIs for external data retrieval, MongoDB for query history, and FAISS indexing for efficient search.
- Enhanced system efficiency and optimized data accessibility, improving user experience across multiple chatbot driven projects and MauStats.

Python Developer Intern,

March 2024 - July 2024

Medic Tech Private Limited (IIT Delhi)

Hauz Khas (IIT Delhi), Delhi

- Worked on a gel image analysis research project for healthcare, integrating hardware and software to process blood sample images and generate results.
- Contributed to a fully automated nanoparticle creation system, designing the Python & Qt Designer-based software for seamless hardware integration, implemented an admin login system for secure access.
- Created user manuals and technical documentation for project usability and reference.

PROJECTS

Rweet - A Django-based Social Media Web Application

Self Learning

Tech Stack: Python, Django, Bootstrap, PostgreSQL, HTML, CSS

- Created a platform for secure user authentication and content sharing with Django and PostgreSQL.
- Enhanced user engagement through features like media uploads and content management.

TransVox Transcription System - Desktop Application

College Project

Tech Stack: Python, SQLite, Qt Designer, NLP

- Integrated translation, voice-to-text, and text-to-speech functionalities, increasing user engagement by 30%.
- Enhanced accessibility features, helping users interact via voice commands.

Movie Recommendation System - Web Application

College Project

Tech Stack: ML, Python, Pandas, Scikit-Learn, Matplotlib, Seaborn, NLP, Streamlit.

- Delivered personalized movie suggestions using ML and NLP via a user-friendly interface powered by Streamlit.

EDUCATION

Vivekananda Institute of Professional Studies and Technical Campus New Delhi

GGSIU University

Master of Computer Applications (MCA) | CGPA- 9.11

2022-2024

Chatrapati Sahuji Maharaj University Kanpur

Bachelor of Science (B.Sc.) | Percentage- 86%

2019-2022

CERTIFICATES

- [Python for Data Science](#) (NPTEL)
- [Data Analytics with Python](#) (NPTEL)
- [Data Visualization with PowerBI](#) (Great Learning)
- [Software Engineering](#) (NPTEL)