

VAIBHAV RAJ

+917071442334 | rajjvaibhavv121@gmail.com

[LinkedIn](https://www.linkedin.com/in/vaibhav-raj-0x/) (https://www.linkedin.com/in/vaibhav-raj-0x/) | [GitHub](https://github.com/Vaibhav0x) (https://github.com/Vaibhav0x)

[Portfolio Website](https://vaibhav0x.github.io/Vaibhav-Portfolio/) (https://vaibhav0x.github.io/Vaibhav-Portfolio/)

TECHNICAL SKILLS

- **Languages:** Python, C/C++, Java, HTML CSS & Java Script
- **Frameworks:** Django, ReactJs, Bootstrap, Tailwind
- **Databases:** MySQL, SQLite
- **Developer Tools:** VS Code, Git & GitHub, Qt Designer, MS Suite
- **Libraries:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn
- **Analytical Tools:** Power BI, MS Excel
- **Other Skills:** Data Structures and Algorithms, AI & ML, APIs, Agile Methodologies

ACHIEVEMENTS

- Qualified GATE 2024 in Data Science and Artificial Intelligence (DA)
- Secured a 5-star Gold badge in HackerRank for Python Language

CERTIFICATES

Python for Data Science (Issued by [NPTEL](#))

- Gained proficiency in data analysis, manipulation, and statistical analysis.

Data Analytics with Python (Issued by [NPTEL](#))

- Learned advanced data analytics techniques, including machine learning algorithms and predictive modeling.

Data Visualization with Power BI (Issued By [Great Learning](#))

- Developed skills in creating interactive data visualizations.

Software Engineering (Issued by [NPTEL](#))

- Gained knowledge in software development methodologies and project management.

PROFESSIONAL EXPERIENCE

Python Developer Intern, Medic Tech Private Limited (IIT Delhi)

March 2024 - July 2024

- Developed Software solutions for medical data processing, using Pandas, NumPy and OpenCV.
- Enhanced medical image analysis efficiency by extracting gel information for medical analysis.
- Automated nanoparticle creation by integrating hardware control into a single software solution.

Accenture North America Data Analytics and Visualization Job Simulation on Forge

August 2024

- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.
- Cleaned, modelled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions.
- Prepared a PowerPoint deck & video presentation to communicate key insights for the client & internal stakeholders.

Data Science Virtual Intern, Bharat Intern

November 2023

- Implemented LSTM networks to improve stock price prediction accuracy by 15%.
- Achieved an 85% accuracy score with a Titanic survival prediction model using Logistic Regression.

J.P. Morgan Software Engineering Virtual Experience on Forge

September 2023

- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

PROJECTS

TransVox Transcription System | Python, Qt Designer, NLP

College Project

- Built with Python and PyQt5, TransVox comprises TranslateXpress for seamless translation, SoundToScript for voice-to-text transcription, and ScriptToSound for text-to-voice generation. It aims to enhance accessibility and usability by providing comprehensive language and communication tools, enhancing user engagement by 30%.

Spotify Clone | ReactJs, JavaScript, Tailwind

Self Learning

- Developed a dynamic music streaming application replicating Spotify's core features and responsive website including stream songs and albums directly within the app, mimicking Spotify's playback functionality.

Desktop Voice Assistant (Auris) | Python, NLP

College Project

- It aims to enable seamless interactions with technology. By integrating speech recognition, NLP understanding, and task execution, users can perform tasks, access information, and receive responses in a natural and efficient manner.

Movie Recommendation System | ML, Python, Pandas, Scikit-Learn, Matplotlib, Seaborn.

College Project

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

Zomato Sales Analysis | PowerBi

Self Learning

- Performed Zomato sales analysis, identifying key trends and boosting quarterly sales by 15% through data-driven insights and targeted strategies.

EDUCATION

Vivekananda Institute of Professional Studies and Technical Campus New Delhi

IPU 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

Christ Church Inter College Kanpur

Intermediate | Percentage - 71.20%

2017-2019