VAIBHAV RAJ

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linkedIn (https://www.linkedin.com/in/vaibhav-raj-0x/) | GitHub (https://github.com/Vaibhav0x)
Portfolio Website (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, PostgreSQL
- **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, REST APIs, Agile Methodologies, Docker

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 Forage   **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.

PROJECTS

Rweet - A Django-based Social Media Web Application   **Self Learning**
Tech Stack: Python, Django, Bootstrap, PostgreSQL, HTML, CSS
- Developed a web application for users to create, share, and manage "Rweets".
- Implemented user authentication, including registration, login, and password reset functionality.
- Added functionality to create, edit, delete tweets, and upload images along with each rweet.
- Designed a responsive user interface using Bootstrap for mobile and desktop views.
- Integrated email service for password recovery.
- Utilized Django's built-in models and forms to ensure secure and efficient data handling.
- Managed front-end and back-end development with a focus on scalability and performance

TransVox Transcription System - Desktop Application   **College Project**

Tech Stack: Python, SQLite, Qt Designer, NLP

- 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 - Web Application   **Self Learning**

Tech Stack: ReactJs, JavaScript, Tailwind

- 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.

Movie Recommendation System - Web Application   **College Project**

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

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

Zomato Sales Analysis - Dashboard | 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**