ANURAG VERMA

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Professional Summary

A highly motivated **Full Stack Developer & Machine Learning Practitioner** with experience in **Python, Django, FastAPI, and Data Science**. Skilled in building **scalable web applications, APIs, and machine learning models**. Passionate about solving complex problems and continuously enhancing technical skills.

Technical Skills

- **Programming Languages :** Python, Java, C, JavaScript
- **Backend Development :** FastAPI, Django, Flask, RESTful APIs
- **Databases :** PostgreSQL, MongoDB, MySQL
- **DevOps :** Git, Linux, Docker
- **Frontend Development :** HTML, CSS, Bootstrap, Tailwind CSS
- **Data Manipulation & Visualization :** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI
- **Machine Learning:** Scikit-Learn, Supervised & Unsupervised Learning, Neural Networks, Clustering (K-Means, DBSCAN, Hierarchical)

INTERNSHIP

Real Estate Marketplace 🐙   **2 February 2024 – 10 June 2024**

Mongodb, EXPRESS.js, NODE.js, jwt, redux toolkit

- Developed a feature-rich Real Estate Marketplace using the MERN stack, with a focus on seamless user experience and responsiveness using React for the frontend.
- Implemented JWT authentication for enhanced security and utilized Redux Toolkit for efficient state management, resulting in a robust and scalable application.
- web - https://anurag-stack.onrender.com/

Personal Projects

WaveTranscribe   **July 2024 - August 2024**

FastAPI, Whisper AI, Matplotlib, PyAudio, Pydub

- **Developed a speech-to-text converter** leveraging Whisper AI for accurate and efficient transcription.
- **Created RESTful APIs** using FastAPI to handle audio file uploads, real-time transcription, and data management.
- **Implemented audio visualization** using Matplotlib to display real-time audio waveforms.
- **Integrated audio input** and processing features using PyAudio and Pydub to capture and manipulate audio data.
- **Optimized performance** for real-time processing and ensured high-quality transcription output.

Survey Application   **June 2024 – July 2024**

FastAPI, PostgreSQL, Python

- **Designed and implemented** a robust database schema using **PostgreSQL** to efficiently store and manage survey data.
- **Developed RESTful APIs** with **FastAPI** to handle survey creation, response submission, and result analysis.
- **Ensured data security** and integrity by implementing proper authentication and validation mechanisms.
- **Collaborated closely** with a teammate to integrate frontend functionalities and ensure seamless user interactions.

Blog Application (Pen&Paper)   **November 2023 – December 2023**

Django, HTML, CSS, BOOTSTRAP

- Developed specialized Django blog platform for admin-authored content.
- Implemented admin features for creating, editing, and deleting posts.
- Configured public access for users to read and comment.

Education

Dr. APJ Abdul Kalam Technical University (AKTU)   **July 2022 – August 2024**
MCA-Computer Applications   *CGPA 7.92*

Veer Bahadur Singh Purvanchal University, Jaunpur   **July 2018 – August-2021**
B.Sc (Math)   *54%*

Achievements

- I completed the **#100DaysOfCode** challenge, mastering Python and Advancing in Data Science.
- **5-Star** rating on HackerRank in Python, demonstrating advanced problem-solving skills.
- **4-Star** rating on HackerRank in C, demonstrating proficiency in C programming and algorithmic challenges.