Skills and Projects Overview

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Skills

Programming Languages :
- **C:** Problem solving.
- **Python:** Experienced in scripting and data manipulation.
- **Java:** Knowledgeable in object-oriented programming concepts.
- **HTML/CSS:** Skilled in creating responsive web pages.
- **JavaScript:** Familiar with front-end development and interactivity.
- **Django:** Capable of building web applications using this high-level Python framework.
- **DBMS/MySQL:** Understanding of database management systems and SQL queries.

Tools and Technologies
- **Power BI:** Proficient in data visualization and business intelligence.
- **VS Code:** Familiar with this powerful code editor for development.
- **Jupyter Notebook:** Experienced in data analysis and visualization through Python.

Certifications
- **Web Development:** Completed a course from Pantech E-Learning.
- **MySQL:** Acquired knowledge through a course from Nextwave.
- **Django:** Completed training from Python Life.

Projects

1. Car Price Predictor
  - **Description:** Developed a predictive model to estimate car prices based on various features.
  - **Technologies Used**: Python, Machine Learning libraries (e.g., scikit-learn).

2. QR Code Generator
  - **Description:** Built a web application to generate QR codes for any given URL.
  - **Technologies Used:** HTML, CSS, JavaScript, Django.

3. Weather Reporter
  - **Description:** Created an application that provides real-time weather updates based on user location.
  - **Technologies Used:** Django, JavaScript, APIs for weather data.

4. Netflix Clone
   - **Description:** Developed a simplified version of Netflix to demonstrate streaming capabilities and user interface.
   - **Technologies Used:** HTML, CSS, JavaScript, Django.

5. Bike Buy Project
   - **Description:** Built a platform for users to buy and sell bikes, featuring user authentication and product listings.
   - **Technologies Used:** Django, MySQL, HTML, CSS.

Problem-Solving Journey

I am actively focusing on enhancing my problem-solving skills in data structures and algorithms through competitive programming platforms:

- **CodeChef:** Solved 120+ problems, ranging from beginner to advanced levels, focusing on algorithm efficiency.
- **LeetCode:** Completed 50+ problems, targeting coding interviews and practical application of algorithms.
- **HackerRank:** Tackled 70+ problems, emphasizing data manipulation and algorithm challenges.

Future Plans

My future steps include:

1. Deepening DSA Knowledge: I plan to continue solving problems on LeetCode, CodeChef, and HackerRank to strengthen my algorithmic thinking and problem-solving abilities.

2. Building Advanced Projects: I aim to work on more complex projects that integrate multiple technologies and showcase my skills in full-stack development.

3. Pursuing Internships: I intend to seek internships that align with my interests in software development and data science to gain real-world experience.

4. Continuous Learning: I will engage in online courses and workshops to stay updated with the latest technologies and best practices in software development.