Prince Raj Shrestha

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Summary

Aspiring backend developer currently pursuing a bachelor's degree with emphasis on Java and Spring Framework technologies. Proficient in designing and implementing clean, maintainable code with fundamental knowledge in RESTful APIs and database integration. Committed to leveraging academic knowledge in a practical environment to gain hands-on experience and support dynamic development projects.

Skills

• Java • Spring Framework • Python • RESTful APIs • SQL • JavaScript • HTML/CSS • Docker • Git • Problem Solving • Team Collaboration

Projects

DSA Visualizer

Developed an interactive Data Structures and Algorithms Visualizer to help learners understand core DSA concepts through Realtime visual animations. The project demonstrates the working of multiple algorithms by visually representing each step of execution, making complex concepts easier to grasp. Built with a focus on clarity, modular design, and educational usability.

- Successfully abstracted DSA concepts into visual animations, improving conceptual understanding.

House Price Prediction

Built a House Price Prediction system using machine learning techniques to estimate real estate prices based on property features. The project involved data preprocessing, exploratory analysis, model training, and evaluation to predict housing prices effectively. It demonstrates practical application of supervised learning and regression modeling in a real-world scenario.

- Successfully implemented a predictive model to estimate house prices based on structural and locational attributes.
- Demonstrated the ability to handle **real-world data issues** like missing values and feature scaling.

On Check-Accounting System

Developed a Java-based application named **on Check** as part of a structured project template that demonstrates core software development practices using Java. The repository follows best practices in project organization, including source code setup, build configuration, and dependency management, to enable further development of functional features.

- Completed a **well-structured Java project scaffold** ready for feature development and testing.
- Provided a solid base for future enhancements such as implementing business logic, validation, or UI features.

Education

National College of Computer Science	Kathmandu, Nepal
Bachelors in Computer Application	2021 - Present
National College of Computer Science	Kathmandu, Nepal
+2	01/2020 - 01/2021
National Creative Co-Educational School	Kathmandu, Nepal
SEE	2009 - 2019