Nishan Subba

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Dear Hiring Manager,

I am excited to apply for the at your company. As a recent graduate from the University of Maryland, Baltimore County, with a Bachelor of Science in Information Systems and a strong foundation in database management, programming, and data analysis, I am eager to bring my technical knowledge and passion for continuous learning to your team.

During my college, I excelled in courses like Database Application Development and Structured System Analysis/Design, achieving a cumulative GPA of 3.75 and graduating Magna Cum Laude. My hands-on experience includes leading the development of a Parking Payment Management Database using Oracle PL/SQL. Collaborating with a team of five, I designed an Entity-Relationship Diagram, implemented stored procedures, and ensured data integrity—earning a perfect project grade.

Beyond academics, I have improved my technical skills through personal projects, such as:

- Finance Tracker (Python, Pandas): Designed a CLI tool to manage personal finances, incorporating transaction logging, data filtering, and summary reporting. Leveraged pandas for efficient data manipulation and analysis.

- Maryland Aid Analysis (SQL, Excel): Extracted, transformed, and loaded (ETL) data from a website into a database, ensuring consistency and cleanliness. Utilized complex SQL queries and data aggregation techniques to perform exploratory analysis, answering key questions. Created visualizations in Excel to present insights effectively.

- Word Unscrambler (HTML, CSS, JavaScript): Developed an application that accepts scrambled words and validates them against a hash map of all available English words.

- Word Search (C++): Created a CLI-based word search game that enables users to traverse 2D arrays, implementing boundary checks and validations. Documented the project thoroughly using Doxygen, providing clear explanations for each function's purpose and functionality.

I would welcome the opportunity to discuss how my skills and experiences align with your team's goals.

Thank you for considering my application. I look forward to the possibility of contributing to your company's success.

Sincerely,

Nishan Subba