

Nishan Subba

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EDUCATION

University of Maryland, Baltimore County

Baltimore, MD

Bachelor of Science in Information Systems

August 2020 - May 2024

- Cumulative GPA: 3.75 / 4.00, Magna Cum Laude
- Relevant Coursework: Database Application Development, Structured System Analysis/Design, The Practice of Management, Markup & Scripting Languages, Computer Science I & II

PROJECTS

Command-Line Personal Finance Manager | Python, Pandas, Matplotlib

[Source Code](#)

- Created a command-line interface for managing personal finances, including transaction logging, date range filtering, and summary reporting.
- Utilized pandas for handling CSV files and performing data manipulation, and integrated a robust logging system to track changes and errors.
- Developed an intuitive CLI with interactive menus for transaction management and integrated matplotlib to generate plots for visualizing income and expenses over time.

Maryland Aid Analysis (2009 - 2023) | SQL, Excel, PostgreSQL

[Source Code](#)

- Extracted and preprocessed over 19,000 records from the Maryland Open Data Portal using PostgreSQL, ensuring data quality and consistency for accurate analysis.
- Developed a dashboard using Excel pivot tables and implemented SQL queries and window functions to aggregate and analyze large datasets, uncovering significant trends and insights.
- Analyzed year-over-year changes in aid distribution, identifying a 143% increase from 2019 to 2020 due to COVID-19, and determined that grants constituted 95% of the total aid.

Capstone - Parking Payment Management Database | Oracle, SQL, PL/SQL

[Source Code](#)

- Collaborated with a team of five to design and implement a database system. Organized meetings, coordinated task assignments, and ensured effective communication to achieve project milestones.
- Created an Entity-Relationship Diagram to effectively model and structure the database design.
- Developed and optimized Oracle PL/SQL stored procedures for data validation, data aggregation, error handling, and duplication prevention, ensuring data integrity.
- Presented the project and received a perfect grade of 100% with positive feedback for execution

WORK EXPERIENCE

Amazon

Sparrows Point, MD

Packer

June 2022 - August 2022

- Consistently arrived on time and maintained a high level of punctuality.
- Kept the workstation clean, organized, and compliant with safety standards.
- Accurately followed computerized instructions to package items correctly, ensuring product quality and customer satisfaction.

TECHNICAL SKILLS AND TOOLS

Programming Languages: SQL, Python, JavaScript, HTML/CSS, PHP, PL/SQL

Databases: Oracle, Postgres, MySQL

Data Analytical Tools: Pandas, Matplotlib, Excel, VLOOKUP, Pivot Table, Data Visualization, Google Suite

Interpersonal Skills: Listening, Communication, Teamwork, Collaboration, Flexibility, Problem-Solving, Organization, Multilingual (Nepali/English)

ADDITIONAL INFORMATION AND CERTIFICATION

Interpreter (Nepali to English): Provided translation services for my family as needed since 2015, facilitating clear communication and bridging language gaps.

Responsive Web Design Developer Certification by FreeCodeCamp