Bibek Pathak

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SUMMARY

Aspiring Software Engineer with a strong foundation in software development, data handling, and algorithmic problem-solving. Experienced in Python, Java, and SQL, with hands-on projects ranging from game development to full database design and optimization. Adept at writing clean, efficient code and analyzing complex problems to build practical, scalable solutions. Eager to contribute as a Python Engineer and grow within a fast-paced, innovation-driven environment.

EDUCATION

Southeastern Louisiana University (SLU)   **Aug 2024 - May 2028**

Bachelor of Science, Computer Science
- **Achievements:** Honors Scholarship
- **Coursework:** Data Structures & Algorithm, Software Engineering, Calculus, Discrete Structures

Projects

GridNavigator | grid-navigator-mu.vercel.app
- GridNavigator is a modern line style maze generator with smooth animations, BFS and DFS pathfinding, theme switching and a polished UI.

TickTickFocus | tick-tick-focus.vercel.app
- A clean, minimal Pomodoro timer built with React, Tailwind, TypeScript, and Framer Motion, featuring dark/light mode, PWA support, keyboard shortcuts, and 7-day focus history.

Quotex | quotex-five.vercel.app
- Random Quotes Generator

WatchThis!AI
In Progress

TECHNICAL SKILLS

- **Programming & Development**: Java, Python, C++, C#, JavaFX, React, JavaScript, TypeScript, CSS
- **Data Analysis & Tools**: Excel, SQL, Tableau, Microsoft Office, Git, IDEs
- **Core Knowledge**: Data structures & algorithms, database systems, financial reporting, market research, Data Visualization, Data Mining

RELATED EXPERIENCE

SLU Computer Science & Industrial Engineering Department   **Sep 2025 - Present**

IET Student Worker   *Hammond, LA*

Supported administrative tasks including data entry and document management.
Assisted in organizing campus events and engagement activities.
Provided technical and office support by responding to student inquiries.
- Supported administrative tasks using Excel for data entry and document management, ensuring accurate and efficient record-keeping
- Assisted in organizing campus events and engagement activities, contributing to increased student participation and engagement
- Provided technical and office support by responding to student inquiries, utilizing database systems and SQL to resolve issues promptly and enhance student satisfaction

Set Your Trade   **Aug 2021 - Present**

Owner and Analyst   *Birtamode, Nepal*

Conducted market research to guide trading strategies.
Created reports to evaluate performance and support decision-making.
Applied analytical skills to identify opportunities and assess risks.
- Conducted market research using SQL and Excel to guide trading strategies, resulting in more informed decision-making and improved trading outcomes
- Created Tableau reports to evaluate performance and support decision-making, leading to enhanced strategic planning and operational efficiency
- Applied analytical skills with Python to identify opportunities and assess risks, contributing to a more robust risk management framework and increased profitability

OM CASTING UDHYOQ PVT LTD   **Jan 2023 - Mar 2024**

Junior Accountant   *Birtamode, Nepal*

Managed accounts payable/receivable and prepared financial statements.
Reviewed reports for accuracy and supported business strategy planning.
Communicated with vendors regarding invoicing and payments.
- Managed accounts payable/receivable using Microsoft Office tools, ensuring timely payments and accurate financial statements that supported organizational financial health
- Reviewed reports for accuracy using data analysis techniques, contributing to informed business strategy planning and improved decision-making processes
- Communicated with vendors regarding invoicing and payments using effective negotiation skills, ensuring timely payment processing and maintaining positive vendor relationships

Certifications

- Excel Fundamentals – Formulas for Finance from Corporate Finance Institute® (CFI)!
- Simplilearn - Introduction to Tableau.
- HackerRank - Software Engineer Certificate
- HackerRank - SQL (Advanced) Certificate