Shivam Pathak

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SUMMARY OF QUALIFICATIONS

- Enthusiastic Computer Science student with practical experience in software development, database management, and leadership roles.
- Proven ability to optimize workflows, deliver impactful solutions, and contribute to organizational success.
- Seeking opportunities to further hone my technical expertise and leadership skills.

TECHNICAL SKILLS & PROJECTS

Programming: C++, Python, Rust, C#, JavaScript, Assembly, PHP, HTML, Swift
Cyber-Security: SQL Injection Testing, Secure Database Design
Databases: MySQL, PostgreSQL, Microsoft Power BI

- Zookeeper DBMS with security practices – Dec 2024 (SQL, PHP, HTML)
- UFC DBMS project – Dec 2024 (SQL, PHP, HTML)
- Scientific Calculator in Assembly – Dec 2024 (MASM)
- Stock Management System – Aug 2024 (C++)
- Drivemind Real-Time Safety Assistant – Summer 2025 (Swift, HTML, CSS, Python)
- SQL Injection Attack Simulator – TBD (SQL, Python, HTML, C++)
- NFC Safety Info Site – Apr 2025 (HTML)

EDUCATION

University of Colorado Denver — Denver, CO
B.S. Computer Science | GPA: 3.5 | Expected: May 2026
Minors: Business Fundamentals, Data Science | Certificate: Cybersecurity & Secure Computing
Courses: Assembly, OOP, DB Systems, Numerical Analysis, Algorithms, Networks, Architecture

PROFESSIONAL EXPERIENCE

Visa Inc. — Systems Engineer Intern | May 2025 – Aug 2025
- Support enterprise infrastructure and automation development.
- Document internal systems and optimize technical workflows.

IBM Z — Student Ambassador | Feb 2025 – Present
- Organized events and promoted IBM Z technology across campus.
- Earned IBM Z badges and established student-led mainframe club.

Society of Asian Scientists and Engineers — Co-President | Dec 2024 – Present
- Led strategic outreach and secured sponsorship for inclusive STEM initiatives.
- Planned and executed professional development and networking events.

Raising Cane's — Restaurant Manager | Mar 2021 – May 2025
- Managed marketing, training, and staffing operations for 20–30 crew per shift.

D-Incuvator — VP of Operations | Feb 2023 – Present
- Directed workshops and academic startup initiatives with NVIDIA support.
- Managed $20K+ in tech resources and a 15-member operations team.

City of Arvada IT — Data Analyst Intern | May 2020 – Oct 2020
- Built dashboards and data tools for local government stakeholders.

CLUBS & VOLUNTEERING

AI Student Association — Member | Feb 2025 – Present
- Helped run AI events and tech project development for student hackathons.

Asian Student Society — Member | Apr 2025 – Present
- Hosted the annual Blossom Ball with executive board members.

CERTIFICATES

- IBM Z Xplore Concepts – Feb 2025 (IBM)
- IBM Z Xplore Advanced – Mar 2025 (IBM)
- IBM Z Day AI & Data Special Edition – Apr 2025 (IBM)
- Quantum Computing Foundations – May 2025 (Interskill)
- AI Anomaly Detection – Nov 2023 (NVIDIA)
- Transformer NLP Workshop – Aug 2024 (NVIDIA)
- Workplace Readiness – Jul 2021 (Red Rocks Community College)