

Avinash Pandey

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Education

Bachelor of Science in Computer Science

Purdue University Indianapolis, IN

Anticipated Graduation: December 2024

Minor: Mathematics

Cumulative GPA – 3.1

Awards and Honors

- International Jaguar Excellence Award
- ALD-PES Honors Society member
- Dean's List – Fall 2020

Technical Skills

- **Languages:** Python, C, C++, Java, JavaScript, CSS, R/R-Studio, SQL
- **Framework and Libraries:** React, Django, Flask, PySimpleGUI, Pandas
- **Tools/Frameworks:** GitHub, AWS, Microsoft Azure, PyCharm, Jupyter
- **Database Management:** MySQL, MongoDB, Microsoft SQL Server, Azure Data Studio

Projects

ATM Banking System (Java)

October 2022

- Engineered a Java ATM system with object-oriented principles, integrating user authentication, transaction management, and account control using data structures and control flows, enhanced by an intuitive interface for user transactions

Weather Station Data Hub (Python)

April 2023

- Developed a Flask and Pandas-powered web service for agile weather data delivery, offering precise temperature insights, comprehensive station data, and year-filtered analytics through a streamlined web API interface

Counts of Bushels Project (SQL)

October 2023

- Architected a 5NF database with LDM and PDM for Indiana's corn and soybean yields, utilizing SQL for relational database implementation, enhancing data retrieval efficiency, and crafting a comprehensive technical report detailing the database design and implementation strategy

Workout Planner App (Python)

January 2024

- Implemented a Workout Planner in Python featuring multi-interface (CLI, GUI via PySimpleGUI, Web via Streamlit) architecture, advanced file I/O for persistent data storage, and cross-platform support to optimize user interaction

Work Experience

Business Analyst Intern – Office of Technology Services

December 2023 – Present

Legislative Services Agency

Indianapolis, IN

- Facilitate strategic interactions and technical support with Indiana lawmakers and Legislative Services Agency staff, optimizing business processes through problem resolution and the development of tailored applications and tools
- Support standing committees to help troubleshoot network services for the Indiana Senate and House of Representatives
- Execute advanced data verification and timeliness assurance processes for the Indiana General Assembly, leveraging sophisticated data analytics and quality control methodologies to maintain unparalleled data fidelity and promptness
- Collaborate with end users, business analysts, & infrastructure staff to support & troubleshoot critical software

Technology Center Consultant – Computer Consultant

January 2022 – August 2023

IU Indianapolis - University Information Technology Services (UITS)

Indianapolis, IN

- Provided direct technical assistance to faculty and students relating to software, hardware, and computer peripherals
- Managed and monitored network connection to the University network and eliminate malicious software
- Preserved the integrity of computer labs and printers all around the campus

Student & Professional Organization

Vice President, IUPUI Computer Science Club (CS Club)

May 2023 – Present

- Revitalized the CS Club after a 2-year hiatus, led a team in organizing tech events, increasing club engagement by 100%
- Coordinate annual hackathons and workshops, attracting 200+ participants and securing industry sponsorships

Peer Mentor, International Peer Mentoring Program (IPMP)

May 2022 – Present

- Mentor international students to achieve personal & academic goals by fostering a diverse and inclusive environment