

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
- **Relevant Coursework:** Principles of Software Design, Data Science, Database Systems, Intro to Client Side Web-Programming

Projects

ATM Banking System (Java)

October 2022

- Developed a Java-based ATM system emphasizing object-oriented principles, integrating user authentication, transaction processing, and account management with efficient data structures and control flows, complemented by a user-friendly interface for banking operations.

Workout Planner App (Python)

January 2024

- Developed a Python-based Workout Planner with CLI, GUI (PySimpleGUI), and web (Streamlit) interfaces, featuring robust file handling for data management and cross-platform functionality to enhance user engagement across desktop and web environments.

Indiana Weather Data (Python)

April 2023

- Developed a Python app for fetching and analyzing historical weather data, integrating API data retrieval with Matplotlib and Pandas for visualization, and ensuring user experience with robust error handling and validation.

Work Experience

Business Analyst Intern – Office of Technology Services

December 2023 – Present

Legislative Services Agency

Indianapolis, IN

- Coordinate and communicate directly with Indiana lawmakers, caucus, and other LSA staff to support business processes through solving problems and assisting with custom applications and tools
- Support standing committees to help troubleshoot network services for the Indiana Senate and House of Representatives
- Validate data accuracy and ensure timeliness for the Indiana General Assembly
- 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

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

Peer Mentor, International Peer Mentoring Program (IPMP)

May 2022 – Present

- Collaborate in a 3-member team to provide direct peer mentoring to international students
- Support student orientation, marketing, and recruitment for the University to welcome and retain international students
- Mentor international students to achieve personal & academic goals by fostering a diverse and inclusive environment