

Pujan Pathak

Fort Worth, Texas | 682-228-9873 | pathakpujan24@gmail.com

EDUCATION

University of Texas at Arlington, Arlington, TX

May 2027

Bachelor of Science in Computer Engineering

Cumulative GPA: 4.0/4.0

Relevant Coursework: Discrete Structures, Object-Oriented Programming, Computer Organization and Assembly, Digital Logic Design I & II, Algorithms and Data Structures, Embedded Systems I, and Electronics

WORK EXPERIENCE

Amazon Warehouse, Warehouse Associate, Fort Worth, Texas

September 2023 – Present

- Applied attention to detail and process efficiency by handling 700+ customer orders per shift with 99% accuracy and on-time fulfillment.
- Strengthened teamwork and communication skills by collaborating with colleagues to achieve daily operational goals while adhering to strict safety and quality standards.

PROJECTS

Apocalyptic Mayhem (VR Zombie Shooter)

February 2022 – April 2022

- Co-developed a virtual reality zombie shooter game in collaboration with a teammate.
- Designed immersive game environment and programmed zombie behavior and loot box mechanics.
- Built using C# and Unity.

Nexus (Board Game)

September 2022 – May 2023

- Worked in a team of four on a nine-month project to redesign a board game inspired by the online game Quadradius.
- Programmed game piece movement mechanics and designed power-ups affecting both the environment and game pieces.
- Built using C# and Unity.

Household Motion Detection Alert System

Ongoing

- Developing a motion detection system with an automated notification protocol.
- Utilizing a Raspberry Pi 4 and an HC-SR501 Infrared PIR Motion Sensor.

LEADERSHIP EXPERIENCE AND ORGANIZATION

Business Professionals of America, President, Fort Worth, Texas

August 2021 – May 2023

- Elected as president to lead club growth and mentor members for competitions.
- Organized biweekly meetings to support members in advancing to regional and state competitions.
- Collaborated with fellow officers to coordinate fundraisers, successfully reducing membership costs.

EE AutonoBots Club, Vice President, Arlington, Texas

Present

- Lead and participate in collaborative workshops focused on robotics.
- Partner with fellow officers to organize meetings, projects, workshops, and fundraisers for the organization.
- Assist in updating and maintaining software and hardware components, including laptops and robotics systems.

Association for Computing Machinery Research, Member, Arlington, Texas

Present

- Collaborating with five students to research quantum computing.
- Simplifying quantum computing concepts for beginners by developing a Scratch-like educational website.

SKILLS AND INTERESTS

- *Programming Languages:* Java, C
- *Technical Skills:* Game Development (Unity, C#), Data Structures and Algorithms, Linux Terminal
- *Hardware:* Raspberry Pi, PIR Motion Sensors, TurtleBot 3 Burger