

Yousaf Zahid

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EDUCATION

Thomas Jefferson High School for Science & Technology – Alexandria, VA
Graduation: June 2027

RELEVANT COURSEWORK

AP Computer Science A+ | Artificial Intelligence 1 & 2 | Computer Vision 1 & 2 | HN Econ
Personal Finance | HN Engineering Fundamentals | HN Engineering Design | Web App
Dev TJ AV | Mobile App TJ AV

SKILLS

Programming Languages:

Java, Python, C++, Swift

Web Development:

HTML, CSS, Django, Flask, FastAPI

AI/ML & Data Analytics:

Scikit-learn, PyTorch,

TensorFlow, Pandas, NumPy,

Matplotlib

Tools / Platforms:

Linux, Git, GitHub, PostgreSQL, pgvector

LANGUAGES

Fluent: English, Hindi

Proficient: Spanish, Punjabi

EXPERIENCE

Tutor UP

Head of Business Development (Founder)

- Built a full-stack web application from scratch, handling frontend (HTML, CSS, Django) and backend (Python, PostgreSQL).
- Grew the platform to achieve over 2,000 monthly page views.
- Managed business operations and led client outreach, expanding user engagement and retention.

Alexandria, VA

April 2025 - PRESENT

AW Properties

Software Engineering

- Worked with a team of 3 interns to create a website for AW Properties.
- Led the team to compete in the I3 competition.

Newark, NJ

January 2025 - November 2025

LifeLine

Project

- Developed an assistant that guides users through emergencies by analyzing their real-time surroundings.
- Integrates visual and contextual data to make the best decisions and provide actionable recommendations during critical situations.

Eye-Controlled & Voice-Assisted Interface for Disabled Users

Project

- Developed an accessibility tool that allows users to control the mouse with eye-tracking and execute commands via voice.
- Enabled hands-free computer interaction for users with physical disabilities, combining multimodal input and assistive technology.

LEADERSHIP & VOLUNTEER EXPERIENCE

TJ Data Analytics

President

- Founded and led the first student-run data analytics club at the school.
- Introduced data cleaning, visualization, and analysis practices to members.
- Organized participation in Kaggle competitions.

Fairfax County, VA

2025 - PRESENT

AWARDS

I3 Competition Certificate for entrepreneurial spirit | USACO Silver | 3x Hackathon Winner | Presidential Award | Lacrosse Varsity Letter

