

# ADITI VYAS

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Work Authorization: F-1 OPT (Eligible for STEM Extension)

## OVERVIEW

MS in Computer Science graduate specializing in AI and software development, with hands-on experience in QA automation and full-stack applications. Proficient in Java, Python, React, and Selenium, with exposure to automated testing and scalable systems.

## EDUCATION

**George Washington University**, School of Engineering and Applied Science

Aug 2023 – May 2025

*Master of Science in Computer Science*

Washington, DC

**SEAS Dean Award (Merit Scholarship for academic excellence)** • **GPA: 3.37/4.0**

**New Horizon College of Engineering**

Jul 2019 – June 2023

*Bachelor of Engineering in Computer Science* • **GPA: 8.98/10.0**

Bengaluru, India

## TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, C, Bash
- **Web:** React.js, HTML, CSS, Bootstrap
- **QA & Tools:** Selenium, Git, Linux, Android Studio, Canva, Figma, Wordpress
- **AI/ML:** YOLO, CNN, LSTM, MediaPipe, scikit-learn, NLP
- **Database:** SQL Server

## PROJECT

**ConnectWise – Social Media Application** (Jan 2025 – Apr 2025)

Tech: Java, Spring Boot, PostgreSQL, React.js, Netlify Functions, AWS S3, JWT

- Built a full-stack social platform with real-time posting, comments, messaging, and notifications.
- Implemented microservices architecture and serverless functions for scalability.
- Integrated S3 for media storage and JWT for secure authentication.

**Hand Gesture Navigation System** (Jan 2024 – May 2024)

Tech: Python, CNN, OpenCV, Deep Learning

- Developed real-time gesture recognition to control browsers and OS features.
- Trained CNN models on custom datasets; achieved >90% classification accuracy.
- Improved accessibility for users with mobility and motor challenges.

**BMyVision – AI Tool for The Visually Impaired** (Jan 2023 – May 2023)

Tech: Python, YOLO, NLP, SQLite

- Built an assistive vision system that detects objects and provides real-time voice descriptions.
- Integrated YOLO detection with NLP-based description generation.
- Enabled offline functionality with a local SQLite database.

## WORK EXPERIENCE

### QA Automation Engineer

We Vote USA – Oakland, CA (Remote) | Jan 2026 – Present

- Assisted in writing and running basic automated test scripts using Selenium.
- Performed functional and regression testing for a React-based web application.
- Worked with team members to identify bugs and document test results.

### Software Engineer & AI Integration Specialist

Seek and Sight — St. Louis, MO (Remote) | Jul 2025 – Present

- Built interactive learning game interfaces using Godot Engine to support neurodiverse learners.
- Implemented GDScript-based gameplay logic, timer systems, and gesture-triggered actions.
- Collaborated with designers/engineers to integrate modular components and improve performance.

### Software Engineer Intern

Rovae Incorporation — Bengaluru, India | Jan 2023 – Apr 2023

- Developed responsive client-facing websites using HTML, CSS, JavaScript, and Bootstrap.
- Collaborated with cross-functional teams to refine designs, reducing development time by 20%.
- Improved UI/UX and optimized features, increasing client engagement by 15%.

## PUBLICATION

**"Space Robotics – Guardians of the Galaxy"** — IJSRSET (Vol. 9, Issue 11, 2022)

Presented at 4th National Conference on Advancements in Computer Science and Engineering.

## CERTIFICATIONS

- AWS Academy Cloud Architecting
- Red Hat DO180: Containers & Kubernetes
- Cisco CCNA v7 (Networking, Security & Automation)
- Cisco CCNA v7 (Introduction to Networks)
- NPTEL: Cloud Computing