

# Keya Shah

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## EDUCATION

**New York University** | Abu Dhabi, UAE (primary), Courant, Stern, Steinhardt, Tisch IMA  
Bachelor of Science in Computer Science & Interactive Media

May 2026

**Relevant Coursework:** Applied Internet Technology (Full Stack), Software Engineering, Human Centered Data Science, Data Structures, Algorithms, Computer Systems and Organization, Computer Networks, Mobile Development Lab (iOS), The Startup Lab, Operating Systems, Social Media and Political Participation, Creative Robots and Tech (Arduino), Intro to Occupational Therapy, Web Privacy

## SKILLS

**Technical Proficiencies:** Python, C++, C, JavaScript, Swift/SwiftUI, R, HTML, CSS, Bootstrap, React, Node.js, Streamlit, PostgreSQL, MySQL, MongoDB, TensorFlow, OpenCV, LlamaIndex, TogetherAI, ml5.js, p5.js, Processing, Arduino

**Tools and Methodologies:** Git, Jupyter Notebook, Xcode, Figma, Unity, Canva, Illustrator, Photoshop, Premiere Pro, Agile

**Languages:** English, Hindi, Gujarati (*Fluent*); Arabic, French (*Read and Write*)

## PROFESSIONAL EXPERIENCE

**Key2Enable Assistive Technology**, Assistive Tech Junior Specialist Intern | Abu Dhabi, UAE

June 2025 – Present

- Designing user-friendly interfaces and integrating assistive tech into learning environments.
- Supporting the research, testing, and enhancement of Key2Enable's hardware and software solutions for accessibility.

**Social Machines and RoboTics Lab, NYU Abu Dhabi**, Research Assistant | Abu Dhabi, UAE

March 2025 – Present

- Research LLM-based frameworks to support differential diagnosis of mental health conditions such as ASD and ADHD
- Develop multimodal pipelines using structured clinical data, speech input, and LLM reasoning to enhance diagnostic accuracy.

**Center for Academic Technology NYU Abu Dhabi**, Student Assistant | Abu Dhabi, UAE

March 2025 – Present

- Conducting QA testing on NYU's private GenAI tool and provided detailed feedback to enhance performance and usability.
- Supporting AI research and technical operations within an Agile academic environment.

**Al Fahad Enterprises**, Full Stack Developer Intern | Abu Dhabi, UAE

December 2024 – January 2025

- Developing and enhancing web applications with robust front-end and back-end functionalities for seamless user experiences.
- Working in an Agile environment to iterate on features, troubleshoot issues, and ensure optimal system performance.

**CITIES - SONIX**, Research Assistant | Abu Dhabi, UAE

January 2024 – December 2024

- Conducted data collection and preprocessing to train ML models for analyzing urban noise pollution.
- Visualized noise data to identify and mitigate pollution effects, contributing to healthier city environments.

**WeSTEM**, Head of Web | Abu Dhabi, UAE

January 2023 – September 2024

- Led the design, development, and deployment of web-based projects, leveraging modern design principles and front-end frameworks to create an accessible platform.
- Deployed the platform at NYUAD, significantly enhancing user engagement, support, and empowerment of women in STEM.

**Residential Life NYUAD**, First Year Resident Assistant | Abu Dhabi, UAE

August 2023 – May 2024

- Coordinated and led diverse student activities, using strategic problem-solving to foster a more inclusive campus community.
- Managed administrative duties and emergency responses, providing effective support to the Student Life team.

## LEADERSHIP & OTHER EXPERIENCE

**Silicon Valley Fellowship**, Fellow | San Francisco, USA

- Selected among the top 4% globally for excellence in technology and leadership, with access to mentorship from top-tier companies (Apple, Google, Amazon, Tesla).

**Llama 3 Hackathon by Lablab.ai**, Developer | Stockholm, Sweden [Remote]

- Led the frontend design and developed an LLM-based Mood Agent using LlamaIndex, Streamlit, and TogetherAI that provides emotional support, logs user moods, offers personalized coping strategies, and suggests activities to promote a positive mindset.

**Quantum Computing Hackathon for Social Good in the Arab World**, Developer | Abu Dhabi, UAE

- Collaborated with the backend team to develop a disaster risk reduction and management app using SQL, aligning with Sustainable Development Goal 11 (Sustainable Cities and Communities).