

Ahmad Savaiz Nazir

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EDUCATION

New York University | GPA 3.96

New York, NY

BS in Computer Science | Minor in Applied Mathematics

May 2026

Courses: Software Engineering, Operating Systems, Networks, Computer Architecture, Data Structures & Algorithms

Lahore Grammar School Johar Town | GPA 4.00

Lahore, Pakistan

A levels 6 A/As (SAT 1580) - Valedictorian*

August 2022

Cambridge Distinctions in Computer Science and Economics

WORK EXPERIENCE

HelloCurve

Dubai, UAE

Software Engineer Intern

May 2024 - Present

- Engineered a **speech recognition** module by fine-tuning open-source **Large Language Models** using **LangChain** and **PyTorch**, achieving a **33% reduction in operating costs** while maintaining scalability, accuracy, and speed.
- Integrated **Whatsapp API** in **NextJS** codebase to analyze calls and messages, **accelerating product launch** by 2 weeks.

Machine Learning Lab

Abu Dhabi, UAE

Machine Learning Research Assistant

Jun 2023 - Dec 2023

- Specialized in AI through hands-on training in machine learning and deep learning frameworks - **PyTorch** and **Cuda**.
- Contributed to **computer vision security** by composing 5 **backdoor attacks** on **ML models** and conducting a comparative analysis of 26 shared library attacks using **attack success rates** and **clean data accuracy** at different epochs.

Gazelle NYUAD (Publication)

Abu Dhabi, UAE

Web Development Intern

Sep 2022 - May 2023

- Maintained and upgraded the full stack for the website (www.thegazelle.org) - UAE's largest college newspaper.
- Increased views by 25%** by updating and debugging the front-end interface with **React** and **NextJS** Framework based on user reviews. Fixed the search feature, decluttered the front page, and fixed the display of the mobile version.
- Reduced load times by 21%** by migrating the technology stack to **TypeScript** and a **cloud database**.
- Boosted website performance and security by integrating the **Amazon S3 simple object storage API**.

NextBridge Pvt Ltd

Lahore, Pakistan

Full Stack Web Development Intern

Jun 2023 - Aug 2023

- Received formal training in front-end and back-end development - **HTML**, **JavaScript**, **CSS**, **React**, **PHP**, and **MySQL**.
- Developed **five demo websites**, showcasing responsive design, user experience, and database management.

PROJECTS

Automatic Menu Collector | [Source Code](#)

Python | SQLite

- Developed a tool assisting culinary researchers by collecting menus from 100+ dynamic websites using **BeautifulSoup** and **Selenium**, reducing program costs by **\$10,000 annually** by eliminating the need for manual assistants.

LEADERSHIP EXPERIENCE

New York University

Sep 2022 - Present

- Student Government** - Represented campus spaces, acting as a key liaison between students and administration. Organized weekly meetings with administration and student council to relay tasks and updates. Advocated for the activation of all campus spaces, proposing upgrades and renovations for optimal student experience. Navigated administrative processes to gain support for student-led initiatives and their implementation.
- Founder's Associate Violet Venture** - Played a key role in establishing and growing a startup community, focusing on mentorship, entrepreneurial skills, fintech innovation, and startup ecosystem trends
- Class Representative Candidate** - Campaigned as my batch's class representative for the Fall 2023 semester, amassing 188 votes. Lost to first place by a margin of 10 votes.

SKILLS

- Languages:** Python, Java, SQL, HTML5, CSS, JavaScript, TypeScript, C++
- Development:** AWS (S3, Cloud - Certificate), Postman, Kubeflow, GIT, Docker, RESTful API
- Libraries/Frameworks:** Pandas, ReactJS, Spring Boot, PostgreSQL, NextJS, PyTorch, LangChain