

FATIMA NADEEM

Delft, Netherlands

✉ fatima.nadeem@nyu.edu

🌐 [linkedin.com/in/fn2039](https://www.linkedin.com/in/fn2039)

🐙 github.com/fatima2039

Versatile Computer Science graduate proficient in machine learning and software optimization, committed to integrating cutting-edge technology and data-driven insights to propel business growth and deliver exceptional experiences for users worldwide.

Education

Bachelor of Science: Computer Science

Abu Dhabi, UAE

New York University Abu Dhabi

Sept 2020 - May 2024

- **Relevant Coursework:** Applied Machine Learning, Database Systems, Software Engineering, Computational Social Science, Human-centered Data Science, Experiential Learning Seminar (London), **GPA:** 3.83/4.00
- **Capstone:** Developing a framework for medical image analysis in healthcare, using deep learning techniques to optimize models for diverse devices, improving accessibility of AI-based medical tools, and enabling real-time diagnostics.

Relevant Work Experience

Machine Learning Research Assistant

Abu Dhabi, UAE

New York University Abu Dhabi

Apr 2023 - Present

- Spearhead collaborative initiatives with fellow researchers and postdocs in the field of machine learning, fostering teamwork and knowledge sharing to drive diverse projects forward.
- Manage project timelines and deliverables, ensuring seamless execution and coordination among team members.
- Specialize in generating and analyzing deep neural networks (Python) with a particular focus on applications such as Medical Image Analysis

Equipment Center Student Assistant

Abu Dhabi, UAE

New York University Abu Dhabi

Jan 2023 - May 2023

- Demonstrated proficiency in managing daily operations at the Equipment Center, overseeing the smooth check-in/out procedures, testing, and maintenance of a large inventory of equipment.

Research and Development Intern

London, UK

Basketdrop

Sept 2022 - Dec 2022

- Led strategic market research initiatives targeting diverse customer segments and potential collaborators, leveraging analytical skills to inform business expansion strategies and drive innovation.
- Showcased creativity and initiative in crafting web-based investment proposals and platforms to engage stakeholders and drive business growth.

Interactive Media Research Assistant

Abu Dhabi, UAE

New York University Abu Dhabi

Feb 2022 - May 2022

- Collaborated with renowned Interactive Media Artist, Aaron Sherwood, in assembling and testing various mechanical and software components for large-scale multi-sensory traveling installations, honing skills in project coordination and technical troubleshooting.

Web Research Assistant

Abu Dhabi, UAE

New York University Abu Dhabi

Feb 2021 - May 2021

- Leveraged strong data analysis skills to evaluate the impact of JavaScript on web pages.
- Contributed to the optimization of user experience for low-end mobile web users, demonstrating a commitment to consumer-centric approaches and continuous improvement strategies.

Leadership/ Volunteering Experience

- Led engaging discussions, guided peers through university resources for their academic and personal development.
- Supported young teens aged 11-14, creating inclusive spaces and empowering critical skills, while working together on projects to promote girls' education and empowerment.

Skills

Languages: English(Fluent), Urdu(Native)

Languages (Programming): PostgreSQL, Python, R, C++, HTML, CSS

Developer Tools: Git, Visual Studio Code, Jupyter Notebook, Linux

Technologies/Frameworks: Pytorch, Scikit-learn, Pandas, Numpy, Matplotlib

Softwares: Microsoft Office, Adobe (Illustrator, Dreamweaver, Photoshop), Figma

Soft Skills: Communication Skills, Adaptability, Problem Solving, Attention to Detail, Collaboration