

# Nameera Anjum

Boston, MA, 02120 | (518) 723-6324 | [anjum.na@northeastern.edu](mailto:anjum.na@northeastern.edu) | [LinkedIn](#)

## EDUCATION

**Master of Science in Biomedical Science** GPA: 3.67/4.00

**Northeastern University**

**Boston, MA, USA**

**May 2026**

**Relevant Courses:** Pharmaceutical Biochemistry, Cell Culture Applications in Biopharmaceuticals, Pharmaceutical Toxicology, Research Skills & Ethics, Repurposing Drugs for Cancer Immunotherapies

**Bachelors in Biomedical Science (BBMS)** GPA: 3.86/4.00 (Honors)

**Gulf Medical University**

**Ajman, UAE**

**Jun 2024**

**Relevant Courses:** Biochemistry, Molecular Biology, Microbiology, Immunology, Cancer Biology, Pathology, Pharmacology, Bioinformatics

---

## RESEARCH EXPERIENCE

**Gulf Medical University**

**Ajman, UAE**

**Undergraduate Researcher**

**Feb 2023 – Jun 2024**

***Thesis: Estimation of E-cigarettes Induced DNA Damage in Oral Cells in Young Adults***

- Led research on e-cigarette-induced DNA damage, utilizing the Micronucleus Assay (MnA) to study cellular genotoxicity.
- Investigated DNA instability in carcinogenesis, drawing parallels to tumor suppression loss in cancer progression.
- Presented research findings on biomarker analysis and cellular toxicity, reinforcing experience in cancer research methodologies.
- Maintained detailed experimental records and contributed to literature reviews on tumor progression and environmental carcinogens.

## EXPERIENCE

**Thumbay Research Institute for Precision Medicine (TRIPM)**

**Ajman, UAE**

**Laboratory Intern**

**Jun 2024 – Aug 2024**

- Maintained and cultured mammalian cells, ensuring optimal conditions for cell-based assays and therapeutic screening.
- Performed Western blotting and SDS-PAGE to analyze protein expression and antibody interactions.
- Conducted flow cytometry experiments to assess immune cell characteristics and response to biologic treatments.
- Documented findings in Electronic Lab Notebooks (ELN), ensuring data integrity and reproducibility.
- Assisted in confocal microscopy imaging to evaluate protein localization in antibody discovery projects.

**Thumbay Labs**

**Ajman, UAE**

**Laboratory Intern**

**Jan 2024 - Jul 2024**

- Conducted ELISA assays to detect protein stability and biomarker interactions, supporting biotherapeutic research.
- Performed in RT-PCR testing, contributing to gene expression analysis for sequencing-based studies.
- Maintained sterile techniques and laboratory inventory, ensuring compliance with quality control protocols.
- Operated automated liquid handling systems for high-throughput screening of protein interactions.

**National Pharmaceutical Industries Co. (SAOC)**

**Muscat, Oman**

**Microbiology/QC Intern**

**Jun 2022 – Jul 2022**

- Conducted protein purification and expression analyses, supporting antibody production and structural biology.
- Performed bioburden and endotoxin testing, ensuring quality control for biologic therapeutics.
- Assisted in solution preparation and sterility testing, maintaining compliance with laboratory safety protocols.

## SKILLS

- **Molecular Biology & Antibody Engineering:** Experienced in RNA isolation, PCR, cloning, sequencing, and bio-panning techniques
- **Protein Characterization & Purification:** Skilled in Western blotting, ELISA, and protein stability assays.
- **Flow Cytometry & Cell-Based Assays:** Hands-on experience in T-cell characterization, biomarker detection, and functional assays
- **Mammalian Cell Culture & Automation:** Maintained cell cultures and operated automated liquid handling systems for biologics research
- **Data Documentation & ELN Management:** Strong ability to record, analyze, and present experimental findings
- **Laboratory Safety & Compliance:** Knowledgeable in sterile techniques, biohazard handling, and quality control protocols