

# HASNA HANIFFA

Biomedical Science graduate | Molecular  
Diagnostics & Clinical Laboratory Trainee

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Dubai

## EDUCATION

### BSc Hons in Biomedical Science

Northumbria University UK

Completed : (September 2025)

### Higher Diploma in Biomedical science

Institute of Biomedical Science- UK

(2023-2024)

### International Foundation Diploma

Business Management School-

Sri Lanka

(2022)

### Cambridge O Levels

Ilma International Girls' School

(2019)

## SKILLS

- Molecular Biology Techniques
- Patient Sample Processing
- DNA Technology & Diagnostic Tools
- Microbial Culturing & Environmental Analysis
- Scientific Writing & Communication
- Leadership & Team Collaboration
- ISO 15189 Awareness
- Laboratory Documentation & Reporting
- Microsoft Word & PowerPoint
- Microsoft Excel (Data Entry & Analysis)

## LANGUAGE

- English
- Tamil

## PROFILE

Biomedical Science graduate with hands-on experience in molecular diagnostics and clinical laboratory workflows. Skilled in PCR, gel electrophoresis, DNA extraction, genetic mutation analysis, and processing 100+ samples with strict contamination control and adherence to ISO 15189 standards. Experienced in research on PAH biodegradation under aluminum stress and Type 2 Diabetes genetic analysis, with strengths in data interpretation, quality assurance, and scientific reporting. Seeking an entry-level clinical laboratory role in Dubai to contribute accurate, quality-focused diagnostic support.

## PROFESSIONAL EXPERIENCE

### Biomedical & Biological science Research Project

Jan 2025- Aug 2025

Northumbria University UK

Evaluated the efficiency of a bacterial consortium in degrading PAHs under aluminum stress. Isolated and characterized indigenous bacterial strains from Sri Lankan soils using HPLC, PCR, DNA sequencing, and BLAST, demonstrating their potential for sustainable bioremediation.

### Research Project

Sept 2024- Nov 2024

Gene labs

Investigated the NEUROD1 gene mutation in Type 2 & Diabetes predisposition. Processed and analyzed 100+ patient DNA samples using PCR, sequencing and molecular diagnostics. Conducted literature review, statistical data analysis, and contributed to manuscript preparation for publication.

### Work- Based Internship

March 2024- April 2024

Gene Tech

Gained industrial training in molecular disease diagnostics and DNA fingerprinting. Performed PCR, gel electrophoresis, and DNA extraction in a clinical laboratory setting. Developed familiarity with diagnostic workflows and patient sample handling.