

AKILAN B

BAZZAR STREET,
MADURAI - 625001
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"To start my career in a dynamic environment where I can enhance my skills and contribute positively to the team's goals."

EXPERIENCE

1. Research Assistant – Department of Physics
Vels University, coimbatore, india
Jan 2021 – May 2022

Conducted experimental and theoretical research in quantum mechanics and solid-state physics.

2. Physics Lab Assistant
HKRH College, Physics Department
Sep 2022 – May 2023

Supervised lab sessions for introductory physics courses (Mechanics, Electromagnetism).

INTERNSHIP

1. Physics Research Intern
National Institute for Theoretical Physics, CHENNAI
June 2024 – August 2024

FOR: Assisted in research on particle dynamics in quantum field theory.

2. Experimental Physics Intern
Indian Institute of Science (IISc) – Bangalore, India
AUG 2024 – JAN 2024

FOR: Assisted in research on particle dynamics in quantum field theory.

Projects

1. Design and Construction of a Simple

Spectrometer Final Year Undergraduate Project – HKRH

University | Sep 2023 – Apr 2024

2. Laser Interferometry for Measuring Small

Displacements Lab Project – Advanced Optics Lab | Mar

2024

SKILLS

Technical Skills:

Physics Tools & Techniques:

- Experimental design and data acquisition
- Spectroscopy (UV-Vis, IR), Interferometry, Microscopy

Laboratory Skills:

- Electronics and circuit design (breadboarding, soldering)
- Oscilloscopes, signal generators, multimeters

CERTIFICATES

1. Certificate of Completion – Design and Construction of a Low-Cost Spectrometer

Issued by Prof. ASHTON RAJ JOHNSON, Department of Physics, NIT Institute

DURATION: Jan 2022 – Jan 2023

2. Certificate of Participation – National Physics Project Expo

Indian Association of Physics Students (IAPS)

DURATION: Mar 2023–Aug 2023

LANGUAGES

TAMIL, ENGLISH, HINDI