
Arun P A

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Summary

A dedicated and detail-oriented perfectionist, passionate about leveraging my strong foundation in physics to contribute to the technology and science. Bringing analytical prowess, commitment to precision and deep sense of responsibility to every task lead and assigned.

Skills

- MATLAB, Monte Carlo FLUKA
- C++
- Practical and academic physics experience.
- Data analysis and technical reporting.
- Computational and data processing skills including MS office.
- Planning and conducting experiments and projects.
- Knowledge of mathematical modelling.

Experience

- **Orridge** June 2022 - December 2023
Stock Taker
 - Maintaining accuracy and no amends for record inventory levels for different clients.
 - Fast adaptability to the everyday new customer shops and their inventory.
 - Using modern barcode scanners at ease.
 - Analysing each aisle and how the products can be counted at the most efficient way without supervision.
 - Troubleshooting and reporting discrepancies to supervisor.
 - Following safety protocols and guidelines when handling inventory, especially in industries with hazardous materials.

Education

- **Swansea University** 2022-2023
Medical Radiation Physics
PG Diploma
- **Mahatma Gandhi University** 2014-2017
Bachelor in physics
Graduate (Bachelor of science)
- **Mahatma Gandhi University** 2017
Electrical and electronics equipment maintenance
Diploma

Projects

- **Dissertation**
 - A study to compare the Bragg peak created in Monte Carlo FLUKA and TPS Varian ECLIPSE for proton therapy.
 - Literature review on the topic was done on more than 60 articles.
 - Primary data was created by modelling a proton beam on both TPS and data collected was processed MATLAB with supervision. Conducted in Singleton Hospital.
- **Graduation project**
 - Collision detection with PIC 16f877A
 - Coding for IC was done under supervision.
 - Planned the necessary tasks to achieve the goals, assembled the hardware, coded the software into IC and perfected the device.

