

RESUME

VASANTHI PRAVEEN

Doctorate in **NUCLEAR PHYSICS** | Researcher | Customer Support

Bengaluru, Karnataka – 560021

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Languages: English | Tamil | Telugu



PROFESSIONAL SUMMARY

Highly motivated **Ph.D. scholar in Physics (Nuclear Physics)** with a strong academic background and proven research capabilities. University rank holder with extensive experience in theoretical nuclear physics research, including published papers in reputed international journals. Experienced in **teaching undergraduate and junior classes during Ph.D.**, guiding students in core physics concepts with clarity and discipline. Adept at research analysis, scientific writing, and academic collaboration, with strong communication and organizational skills.

TEACHING EXPERIENCE (During Ph.D.)

- Taught **undergraduate and junior-level physics courses** during Ph.D. tenure
 - Assisted students in understanding **core physics concepts**, problem-solving, and numerical methods
 - Supported laboratory sessions, tutorials, and academic discussions
 - Mentored junior students and assisted in academic evaluations
 - Developed effective teaching methods to simplify complex theoretical topics
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RESEARCH EXPERIENCE

Specialized in **Nuclear Physics**, with a focus on:

- Nuclear decay modes
- Cluster decay and alpha decay
- Superheavy nuclei
- Temperature-dependent nuclear binding energies

Authored and co-authored **multiple research papers** published in internationally recognized journals such as:

- *European Physical Journal A*
 - *Physical Review C*
 - *Journal of Physics G*
 - *International Journal of Modern Physics E*
- ❖ Presented research findings at **national and international conferences**, including DAE Symposium on Nuclear Physics
 - ❖ Experienced in theoretical modeling, data analysis, and interpretation of nuclear decay phenomena
 - ❖ Strong background in scientific documentation and research presentation
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PROFESSIONAL EXPERIENCE

Customer Consultant

Danphe Prints, Bangalore | 10 Jan 2021 – 01 Jan 2022

- Managed inbound/outbound customer calls and emails regarding product inquiries, orders, and services.
 - Assisted walk-in and remote customers with suitable solutions based on specifications and timelines.
 - Processed payments (cash, credit, online) accurately and maintained confidentiality.
 - Created, tracked, and coordinated work orders with production teams to ensure timely delivery.
 - Maintained detailed records and supported colleagues during peak workloads.
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EDUCATION

Ph.D. in Physics (Nuclear Physics) – Avinashilingam Deemed University, Coimbatore | 2023 |

82%

M.Sc. Physics – Avinashilingam Deemed University, Coimbatore | 2019 | **87%**

B.Sc. Physics – Gonzaga college of arts and science for women (affiliated to Periyar University),

Krishnagiri | 2017 | **94%**

HSC – Bharat Matric Higher Secondary School, Krishnagiri | 2012 | **85%**

SSLC – Bharat Matric Higher Secondary School, Krishnagiri | 2010 | **84%**

KEY SKILLS

Academic & Research Skills

- Nuclear Physics Research
- Theoretical Modeling
- Scientific Writing & Publications
- Research Data Analysis
- Conference Presentations

Technical Skills

- Programming Languages: **C, Python, FORTRAN**
- Documentation & Typesetting: **LaTeX**
- MS Office Tools

Teaching & Professional Skills

- Classroom Teaching
- Student Mentoring
- Communication Skills
- Problem-Solving
- Time Management
- Team Collaboration

CORE SKILLS

- Customer Service & Support
- Order Management & Coordination
- Payment & Billing Processing
- Administrative & Documentation Support
- Communication & Interpersonal Skills
- Team Collaboration & Reporting
- Problem-Solving & Analytical Thinking

PERSONAL DETAILS

DOB: 06-05-1997 | **Gender:** Female | **Marital Status:** Married | **Nationality:** Indian |

Religion: Hindu
