



JAYA RANI ROY

📍 **Home** : Fatepur, Rangpur Sadar, Uttar Janaki, 5431, Rangpur, Bangladesh

📍 **Work** : Park Mor, Modern Mor, Rangpur, 5404, Rangpur, Bangladesh

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🌐 **LinkedIn**: <http://www.linkedin.com/in/jaya-rani-roy-7ab301348>

Gender: Female **Date of birth**: 13/12/1998 **Nationality**: Bangladeshi

ABOUT ME

A dedicated and analytical physics graduate with a strong foundation in theoretical and experimental physics. Experienced in data analysis, mathematical modeling, and scientific research methodologies. Proficient in using advanced software tools for simulations and computational modeling. Eager to apply problem-solving skills and scientific knowledge in research, data analysis, or engineering roles, with a passion for advancing technology and contributing to innovation in the field of applied physics.

EDUCATION AND TRAINING

[Current] **Master of Science in Physics**

Begum Rokeya Univerty, Rangpur www.brur.ac.bd

Field(s) of study: Natural sciences | **Thesis**: Materials Science

Advanced Solid State Physics, Advanced Nuclear Physics, Advanced Plasma Physics, Materials Science

[03/03/2019 – 03/03/2022] **Bachelor of Science in Physics**

Begum Rokeya Univerty, Rangpur www.brur.ac.bd

City: Rangpur | **Country**: Bangladesh | **Field(s) of study**: Natural sciences | **Final grade**: 3.69 (on a scale of 4) | **Number of credits**: 144 | **Thesis**: Materials Science

Electricity and Magnetism, Electronics I, and II, Pulse and Digital Electronics, Classical Electrodynamics, Vibrations and Waves, Solid State Physics I, and II, Crystallography, Spectroscopy, Organic and Inorganic Chemistry, Physical Chemistry, Atomic and Molecular Physics, Nuclear Physics I, and II, Particle Physics, Reactor Physics, Plasma Physics, Classical Mechanics I, and II, Quantum Mechanics, I and II, statistical mechanics, Mathematical Methods, I, II, and III. Differential and Integral Calculus, statics, Algebra and Geometry, Numerical Methods, Geo physics, Non-conventional Energy, Relativity (General and Special), Heat and Thermodynamics, Optics, Communication English, Computer and Fundamentals and Language.

[2015 – 2017] **Higher Secondary Certificate**

Carmichael College, Rangpur

City: Rangpur | **Country**: Bangladesh | **Field(s) of study**: Science | **Final grade**: 4.83 (on a scale of 5)

[2013 – 2015] **Secondary school Certificate**

Fatepur High School, Rangpur www.bblhs.edu.bd

City: Rangpur | **Country**: Bangladesh | **Field(s) of study**: Science | **Final grade**: 5.00 (on a scale of 5)

WORK EXPERIENCE

[2019 – 2023] **Teacher**

City: Rangpur | **Country**: Bangladesh | **Business or sector**: Education

LANGUAGE SKILLS

Mother tongue(s): Bengali **Other language(s):** Proficient in English

DIGITAL SKILLS

My Digital Skills

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Python Language - Basic knowledge | BASIC C++ | Basic MySQL | QUANTUM ESPRESSO | MATERIAL STUDIO | Data processing and analysis software (e.g. Origin, Matlab)

MANAGEMENT AND LEADERSHIP SKILLS

Management And Leadership proficiency

Time Management, Problem-Solving, Decision-Making, Communication, Adaptability, Active Listening, Work Ethic, Diligent

VOLUNTEERING

Environmental and Social activist Rangpur

Engaging in climate change campaigning and local cleanup activities organized by our university.

HOBBIES AND INTERESTS

Interests in Leisure Activities

Listening music, watching movies, drawing, travelling, reading and learning, planting trees

RECOMMENDATIONS

Name: Dr. Md. Al-Helal Supervisor

Professor

Begum Rokeya University, Rangpur, Bangladesh

Phone number: (+880) 1727231188 | **Email:** helalphy82@gmail.com

Name: Md. Nurul Huda Liton Supervisor

Assistant Professor

Begum Rokeya University, Rangpur, Bangladesh

Phone number: (+880) 1723986992 | **Email:** mnh_liton@brur.ac.bd

I certify that the information contained in my CV is accurate to the best of my knowledge.

22/01/2025

Jaya
22.01.2025

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