




PERSONAL INFORMATION

Ujjal Mandal
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OBJECTIVE

- Aspiring to leverage my academic background in Physics, along with my technical skills in programming, web development, and scientific tools, to contribute to innovative research and development projects. I am eager to apply my analytical and problem-solving abilities in a dynamic work environment, with a focus on continuous learning and professional growth, while exploring opportunities in the IT sector for interdisciplinary collaboration. I believe in maintaining clarity not only in my work but also in thought and collaboration. I value working with neat, organized, and clean-minded individuals who share a similar dedication toward excellence.

EDUCATION

Doctor of Philosophy, PhD in Physical Science July, 2021-July 2026
Indian Institute of Information Technology Allahabad, Jhalwa, Prayagraj, India.

Bachelor of Education, B.Ed. in Physical Science Oct, 2020-Oct, 2022
Baba Saheb Ambedkar Education University, formerly known as West Bengal University of Teachers' Training, Education Planning and Administration, (UGB), Malda, West Bengal, India.
Public State University Established by an Act of the West Bengal legislature published in the Kolkata Gazette, Extraordinary, 16 January 2015.
Grade : A - 9.55/10 CGPA.

Master of Science, M.Sc in Physics, Special Paper : Computational Physics Oct, 2018-Oct, 2020
University of Gour Banga (UGB), Malda, West Bengal, India.
Public State University Established in 2008 by the Government of West Bengal on Act XXVI 2007.
Grade : A - 7.79/10 CGPA and 73%.

Bachelor of Science, B.Sc (Honours) in Physics Aug, 2015-Aug, 2018
Dum Dum Motijheel College is Affiliated by West Bengal State University (WBSU), Kolkata, West Bengal, India.
Public State University Established by an Act of the Legislative Assembly on 2007.
Overall Grade : First Class - 63.25%.
First Year : First Class - 61.50%.
Second Year : First Class - 60.00%.
Third Year : First Class - 65.75%.

Intermediate (10+2) 2014
West Bengal Council of Higher Secondary Education
Overall Grade : A - 77.6%, Physics marks : 90/100.

High School (10th) 2011
West Bengal Board of Secondary Education
Overall Grade : A+ - 80.01%, Physical Science marks : 96/100.

SKILLS

Operating systems : Windows and Linux.

Programming languages : Fortran, C, C++, CUDA

Office softwares : Microsoft Office, Open Office, LaTeX, DocBook, LibreOffice.

Scientific softwares and tools : Matlab, kWave, Mathematica, Scilab, InkSpace, Github

Web Development Skills : HTML, CSS, Java, RMarkdown , Website Deploy and Hosting.

Languages : Bengali, Hindi, English.

SEMINAR ATTENDED

- Workshop : Photonics for Health, Atmosphere, Safety and Education (PHASE 2023)**, March 30-31, 2023
Organized under the Distinguished International Associate (DIA) award of the Royal Academy of Engineering, UK. Involved 17 invited speakers, a poster session, laboratory visits, and hands-on sessions. Location : IITGN.

- **Symposium cum Hands-on Workshop on Medical Imaging**, October 20-22, 2022
Location : IISERTVM.
- **Contribution of Physics Towards Atma Nirbhar Bharat**, July 30-31, 2020
Location : N.S.B.C Govt. College Biaora, MP.
- **Workshop on Innovative Experiment Students**, November 7-8, 2017
Organized by UGC-DAE. Location : Kolkata.
- **Discussion Meeting on Science Related to Space & Nuclear in Research and Industry**, October 6-7, 2015
Location : SINP, Kolkata.

✿ CERTIFICATIONS

- **Eligibility for Assistant Professorship**, NTA, 01 April 2021.
Joint CSIR-UGC NET Physical Science, All India Rank 218, Certificate ID : JUN20C08182.
- **Artificial Intelligence (AI) for Social Impact**, ADBInstitute, 26 September 2024.
Certificate ID : 111605-172-735-1761.
- **Front End Development - CSS**, Great Learning, September 2024.
Certificate ID : CDXRPNHH. Show credential : [CDXRPNH](#)
- **Front End Development - HTML**, Great Learning, September 2024.
Certificate ID : LTPCXHBV. Show credential : [LTPCXHBV](#)
- **Data Structures in C**, Great Learning, September 2024.
Certificate ID : FZFXVNTI. Show credential : [FZFXVNTI](#)
- **Introduction to Fourier Series**, Great Learning, September 2024.
Certificate ID : KQCRUCVD. Show credential : [KQCRUCVD](#)
- **Digital Image Processing**, Great Learning, September 2024.
Certificate ID : XFPHWCTC. Show credential : [XFPHWCTC](#)
- **SQL Projects for Beginners**, Great Learning, September 2024.
Certificate ID : OOMFVUBW. Show credential : [OOMFVUBW](#)
- **COMSOL Multiphysics : Basics to Advanced**, Udemy, 27 September 2024.
Certificate ID : UC-c3915a05-4600-4fe7-a2d7-d3c32bea7b12.
- **The Complete C Programming Course for Beginners**, Udemy, 27 September 2024.
Certificate ID : UC-e78e834a-dde1-42d4-8568-fa6aa384c309.
- **Visual representations of data and information**, The Open University, 28 September 2024.
Certificate ID : T2151.
- **Debugging and Error Handling**, Matlabacademy, September 2024.
Certificate ID : ada9ebe9-d553-4add-82b4-280d465db638.