OBJECTIVE Motivated Engineering Physics student at IIT (BHU) Varanasi with a strong foundation in machine learning, computational physics, and data-driven modeling. Passionate about integrating AI with applied physics, particularly in beam instrumentation, data processing, and radiation studies.

TECHNICAL SKILLS • Programming & Simulation: Python (NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch), C++, MATLAB, ROOT, LaTeX • Data Analysis & Machine Learning: Deep Learning, CNNs, Feature Engineering, PCA, Regression & Classification • Physics & Instrumentation: Phase Transitions, Ising Model, Phase Ordering Kinetics, Statistical Mechanics, Finite Element Analysis (FEA) • Software & Tools: Monte Carlo Simulations, COMSOL, ANSYS, LabVIEW, Git, Jupyter Notebook