# RAJU RANJAN

PARALLEL PROGRAMMER

## CONTACT

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Chandi Nalanda Bihar (India)

## EDUCATION

**2015 - 2019**
**B.Tech (CSE)**
AKU Patna (Bihar)

**2022-23 (6 month)**
**PG-DHPCAP**
CDAC Acts Pune

## LANGUAGE

- English
- Hindi

## PROFILE INFO

High Performance Computing in Application Programming to develops software and updates high-performance computing software and tools to increase their efficiency. focus on both parallel computing and parallel programming software to solve complex problems or algorithms using OpenMP,MPI,CUDA,OpenACC,OpenCL etc.

## MY PROJECTS

**Study of Finite Difference Solver using AMReX**

Partial differential equations (PDE) are used for the evolution of physical   systems. Broadly, PDEs are classified into boundary value problem (Time independent) and initial value problem (Time dependent). Thedevelopment of parallel finite difference solver is the focus of the project work. The solver based on AMReX framework can run on any architecture
 (Multi-core, multiprocessor, GPUs/multi-GPUs) is a step towards Exa scale  computing.

**Electricity Bill Management System**

This software is developed to override the problems prevailing in the practicing manual system. It managing the information of Unit of Energy, Electricity, Store Records, Connections and Electricity Board.

## MY SKILLS & EXPERTISE

Parallel Programming

OpenMP,MPI & CUDA

Core JAVA

C , C++ & DSA

Python & Linux

OpenACC, OpenCL