Hanumana Ram

Int. MSc. | NIT Rourkela

Pre Final Year, Integrated MSc. Chemistry
DOB:09 Aug 2002
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Education

2020-2025
INTEGRATED MSC. ,CHEMISTRY
NIT Rourkela
CGPA : 7.99/10

2020
INTERMEDIATE
HERBERT CHILDREN SR. SEC.SCHOOL,KOTA
Percentage: 87.80%

2018
MATRICULATION
BR Public Sr. Sec. School Bhaniyana,Jaisalmer
Percentage: 94.33%

Links

LinkedIn: **Hanumana Ram**
Github: **hanumanajani**

Skills

LANGUAGES
JavaScript, C/C++,python HTML/CSS, Fortran

FRAMEWORKS
React, React-bootstrap, Material-UI, TailwindCSS

DEVELOPER TOOLS
Git, VS Code

Relevant Courses

Data Structure And Algorithm
Object Oriented Programming
Operating System
web Development
Computational Chemistry

Projects

DEC-2023 **Doctor Buddy** **React,Tailwind CSS, Firebase**
Netlify Github
Built a ReactJS-powered healthcare platform for patients and doctors to keep track of medical history, supporting up to 500+ concurrent users.

Streamlined communication, simplified treatment management, empowered patients with article access and comment features.

Improved medical information accessibility and fostered online community.

MAY -2024 **Customization of TITAN** **Python**
Github

Developed and customized TITAN code to calculate electric fields for multiple Frames of simulating protein at the active site

Variation of EF can be studied

JUNE-2024 **Enzymantic MF calculator** **Python**
Github

Developed a Python-based program to calculate the magnetic field at the active site of simulating enzymes, utilizing the moving charge property for advanced analysis in enzyme catalysis.

Experience

MAY-JULY 2024 **Computational Chemistry** **Guide:Prof. Rajeev R**
MD simulation was performed for the enzymatic system, and molecular modeling was used for the active site.

MCPB.py for Metal Center Parameterization: Utilized MCPB.py to build accurate metal center parameters for AMBER simulations, ensuring reliable and realistic molecular dynamics simulations.

Achievements

AUG 2024
Bug Fix in MCPB : Resolved Issue Affecting Metal Center Parameterization