

Atul Patra

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Github | LinkedIn | Codeforces | Codechef

WORK EXPERIENCE

Sociohood

Aug 24 - Present

- Working on building a functional township and organization management system with features like complaint, vendor, visitor and community management.
- Working using HTML&CSS, and JavaScript (React, NodeJS) and MySQL.

Skill Revelation

Aug 23 - June 24

- Designed and developed the back-end for a comprehensive library management system for college and school administration, facilitating efficient resource organization and access with focus on user-friendly interface, advanced search functionality and online reservation capabilities.
- Worked with PHP (Laravel, Blade) and MySQL.

Tata Technologies

May 23 - July 23

- Led the model training phase of the Data-Driven Complaint Management System, employing advanced Python libraries and techniques to optimize complaint management by managers. thereby improving operational efficiency.
- Worked with numpy, tensorflow, matplotlib libraries in python.

APPSeCONNECT

Jan 23 - April 23

- Helped in transitioning from RESTful APIs to GraphQL for efficient data mutation and retrieval. Demonstrated expertise in GraphQL implementation, optimizing data fetching and manipulation processes, ultimately improving system performance and scalability for enhanced client experiences.

PROJECTS

Ray-caster Engine

C++

- Simulate realistic 3D environments with precision and efficiency, showcasing advanced rendering techniques and immersive visualizations using intersection testing, depth calculation, ray casting and rendering.
- Inspired by the classic games like Wolfenstein 3D and Doom.

Valorant-rpc

Python

- Valorant RPC (Rich Presence) allows users to show in-game details such as the current score, progress of the game and time played in your Discord Profile. Helped users connect with other people having similar intrests.

Reddit Mod mail Bot

Python

- Reddit bot to monitor and alert Mods whenever a new mail is received in the Modmail queue. Helps in managing medium-large subreddit (banned as of reddit API change[1/7/23])

EDUCATION

2020 - 2024 B.tech in IT at **Kalinga Institute Of Industrial Technology, Bhubaneswar**

2018 - 2020 AISSCE at **Sri Chaitanya Educational Institution, Visakhapatnam**

2020 AISSE at **Vidya Bharti Chinmaya Vidyalaya, Jamshedpur**

SKILLS

Tools & Technology

C, C++, HTML&CSS, PHP, Laravel, Blade, Go Lang, Rust, Python, MySQL, Solidity, Latex, Power shell, R, Git, GitHub, Excel, Power BI, VS code, Bash, Dapps, Vim, Linux

COURSEWORK

Data Structures and Algorithms, Design and Analysis of Algorithms , Object Oriented Programming, Database Management System, Operating System, Computer Networks, Big Data, Data Mining and Warehousing, Artificial Intelligence, Machine Learning