Vikas Shukla

Master of Computer Application
National Institute of Technology, Jamshedpur

📞 +91-6388306626
✉ vikasshuklafbd@gmail.com
✉ LinkedIn

EDUCATION

Master of Computer Application   2021 - 2024
NIT, Jamshedpur   CGPA: **8.31**
Bachelor of Computer Application   2016 - 2019
Swami Vivekanand Shubharti University, Meerut   GRADE: **66.15**

PROJECTS

National Service Scheme (NSS) Attendance System

- Built an attendance portal for NSS, NIT Jamshedpur to cut down manual work.
- Tools technologies: **MERN Stack**
- Implemented a set of operations, including Create, Read, Update, and Delete (**CRUD**), to manage Attendance, Events, Admin Profiles, and User Profiles within the project
- Utilized **React hooks** to manage component state efficiently and to handle various **side effect**s
- Implemented the **Fetch API** to facilitate communication between the front-end and back-end, and utilized JSON web Token(**JWT**) for authentication..

Decision Tree Optimization

- Employed both **Genetic Algorithm** and **Particle Swarm Optimization** to fine-tune hyperparameters, achieving superior accuracy compared to the scikit-learn Decision Tree.
- Performed data preprocessing like imputed missing data, **Label Encoding**, **Feature Scaling**.
- Implemented Decision Tree Class using **Gini Index**.
- **Datasets**: Breast Cancer, Wine (Scikit-learn), house-votes-84

NASA Astronomy Picture of the Day

- Developed a web application that fetches and displays images from NASA's Astronomy Picture of the Day API and Implemented features for browsing and adding and removing images to favorites.
- Utilized Fetch API to retrieve data, done API integration, and local storage management.
- Tools & technologies: HTML, CSS, JavaScript (**Live**)

TECHNICAL SKILLS

- **Languages**: C++, Core Java
- **Web Development**: React, Node.js
- **Databases**: MySQL
- **Machine Learning**: Machine Learning Algorithms
- **Core Subjects**: Data Structures and Algorithms, OOPs, Operating Systems, DBMS
- **Other Tools:** Git, GitHub

ACHIEVEMENTS

- **1st** Rank in Coding Contest-1 SCA, NIT Jamshedpur
- **1633** rank out of **25000** LeetCode biweekly-contest-110
- **900+** Problems Solved

CODING PROFILES

- **LeetCode**
- **CodeChef**
- **GeeksforGeeks**

POSITIONS OF RESPONSIBILITY

Technical Head, Society of Computer Application, Jamshedpur
- Created **5 contests** and supervised **3 contests** on **HackerEarth**.
- Conducted workshops and seminars for participants.