

# Vikas Shukla

Master of Computer Application  
National Institute of Technology, Jamshedpur

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## EDUCATION

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### Master of Computer Application

NIT, Jamshedpur

Oct 2021 - July 2024

CGPA: **8.31**

### Bachelor of Computer Application

Swami Vivekanand Shubharti University, Meerut

Aug 2016 - July 2019

GRADE: **66.15**

## PROJECTS

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### National Service Scheme Attendance System 🔗

- Built a website to make attendance portal for NSS, NIT Jamshedpur and cut down manual work by 50%.
- Tools & technologies: MERN Stack
- used fetch API for front-end and back-end communication, JWT for authentication, private route for role admin based access,

### Decision Tree Optimization 🔗

- Feature selection and hyperparameter optimization of Decision Trees using Particle Swarm Optimization, resulting in accuracy improvements when cases compared to the scikit-learn Decision Tree.
- Tools & technologies: Decision Tree, PSO Algorithm
- Dataset: Breast Cancer (From Scikit Learn), house-votes-84

### NASA Astronomy Picture of the Day 🔗

- Developed a web application that fetches and displays the NASA Astronomy Picture of the Day using the NASA APOD API.
- Utilized HTML, CSS, JavaScript to create an engaging and responsive user experience across devices. (Try it here)

## TECHNICAL SKILLS

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- **Languages:** C++, Core JAVA(BASIC)
- **Web Development:** HTML, CSS, Node.js, Express.js
- **Machine Learning:** ML algorithms (Decision Tree, Bayes' Theorem, KNN, K Means Clustering, Linear Regression)
- **Databases:** MySQL
- **Core Subjects:** OOPs, Data Structure, Operating Systems, DBMS

## ACHIEVEMENTS

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- **1st Rank** in my Batch, Coding Contest SCA, NIT Jamshedpur
- **Pupil** on Codeforces(max Rating **1390**)
- **2277** rank out of **25k** Codeforces Div3, 1857
- **1633** rank out of **25k** LeetCode biweekly-contest-110
- **115** rank out of **10k** Codechef START43D
- **800** +Problems solved **LeetCode, Codechef, CodeForces, GFG**

## POSITIONS OF RESPONSIBILITY

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### Technical Head, Society of Computer Application, Jamshedpur

Jan 2023 - Present

- Created 5 contests for my batch and supervised 2 contests juniors.
- 80% average enhancement in participants' comprehension of data structures concepts.

## HOBBIES

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- **Playing Tennis Ball Cricket:**
- **Watching South Indian Movies:**