

# Shantanu Kumar Singh

Integrated MSc in Mathematics and Computing

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GitHub Profile

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## EDUCATION

### •Birla Institute of Technology, Mesra, Ranchi, Jharkhand

2020-2025

Integrated MSc in Mathematics and Computing

GPA: 8.0

### •G and H High school - Higher Secondary

2020

Central Board of Secondary Education(C.B.S.E)

Percentage: 81.20

## RELATIVE COURSEWORK

- Data Structure
- OOP
- Database Management
- Operating System

## PROJECTS

### •Frontend - Travel and Tour Website

[Link](#)

Skills Used- React, Tailwind CSS, React.js, HTML5, CSS3

- Designed and implemented an interactive user interface using React.js, ensuring a seamless and responsive user experience across various devices.
- Utilized **React Router** for smooth navigation between different sections of the website, including home, about, service, and contact pages.
- Followed best practices in coding standards, version control (using Git), and documentation to maintain code quality and facilitate collaboration.

### •Research Paper - Fuzzy Linear Programming

[Link](#)

Optimal Crop Plants by using Fuzzy Linear Programming technique in Dhanbad district of Jharkhand.

- In this research paper, we analyze the maximization of yield and efficiency improvement in agriculture using four different approaches of Fuzzy Mathematical Linear Programming Problem in the Dhanbad district of Jharkhand, India.

## TECHNICAL SKILLS AND INTERESTS

**Programming Languages:** Python, HTML, Javascript

**Libraries :** Python Libraries, Tailwind CSS, React.js,

**Cloud/Databases:** Relational Database(mysql)

**Areas of Interest:** Full stack Web Development

**Soft Skills:** Training and Instructing, Analytical Thinking, Problem solving

## POSITIONS OF RESPONSIBILITY

### •Captain Insitute Football Team , BIT Mesra

June 2023 - July 2024

## CERTIFICATES AND ACHIEVEMENTS

### • Smart India Hackathon (SIH) - Team Member

Successfully participated as a team member in SIH, contributing to innovative solutions and collaborating effectively with team members.

### • NCC C-certificate

Successfully obtained the prestigious 'C' Certificate from the National Cadet Corps (NCC), demonstrating Leadership Discipline Physical Fitness

### • Football Nationals

Representing in the All India University Games, which is a part of the World Games.