SHIVAM SINGH

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[Website](#) ◇ [Linkedin](#) ◇ [Github](#)

EDUCATION

Bachelor of Technology - BTech in Information Technology   January 2022 - Present
Manipal Institute of Technology, Manipal
CGPA-8.16

Higher Secondary   April 2020 - July 2022
Thakur Vidya Mandir High School and Junior College Class 12

SKILLS

Programming Languages	Java, C, C++
Web Technologies	HTML, CSS, JS, MERN
Database Management	SQL
Version Control	GIT, GITHUB
Problem Solving	Algorithmic Skills

PROJECTS

Titanic Survival Prediction AI Model
Kalpana, Manipal Institute of Technology
Developed a machine learning model using Random Forest classification to predict survival on the Titanic.

Tennis Ball Detection using OpenCV
Kalpana Student Project, Manipal Institute of Technology
Implemented an OpenCV program capable of detecting tennis balls with high accuracy.

Research Management System
DBMS mini project
Created an intuitive and user-friendly research management system for a college for students and teachers involving web-scraping where on entering the DOI number all the research information is fetched and updated on the back-end.

Astronomy Club Website for colleget
The Astronomy Club, Manipal Institute of Technology
Designed and developed a comprehensive website for the Astronomy Club, including a dynamic blog with backend functionality implemented in PHP.

Chrome Extension for Website Tracking and Blocking
DEVSPRINT Hackathon, AURORA, Manipal Institute of Technology
Made a Chrome extension capable of tracking website usage patterns, generating day-wise usage graphs, and implementing website blocking based on predefined time limits.

Robotic Simulation using ROS
Kalpana Student Project, Manipal Institute of Technology
Constructed a realistic robotic simulation of a radio telescope using ROS 2.0 on the Ubuntu platform.

All projects and code repositories are available on GitHub.

LEADERSHIP

- Organizing Committee for the Annual Tech event (TechTatva) of the college   September 2023 - October 2023
- Took a Git and GitHub workshop for a club   October 2023 - October 2023

LANGUAGE PROFICIENCY

English: Fluent
Hindi: Native Speaker

PASSIONS

Astronomy: Actively involved in stargazing and celestial observation. Fascinated by the wonders of the universe and continuously seeking to expand knowledge in this field.

Robotics and Arduino: Enthusiastic about robotics and Arduino projects, constantly exploring new ideas and technologies to create innovative solutions.