

# Siddharth Singh

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[Linkedin](#)

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[Portfolio](#)

## EXPERIENCE

### ACADEMY OF SKILL DEVELOPMENT | DATA ANALYST INTERN

June 2024-July 2024

- Developed machine learning models using Python and Scikit-learn
- Tested machine learning models for performance and efficiency
- Reduced computational resource usage by 20 %

### COGNIFYZ TECHNOLOGY | WEB DEVELOPER INTERN

Mar 2025 - Apr 2025

- Research and implement lightweight CSS frameworks like Bulma UI, Tailwind CSS, or Bootstrap to streamline styling and ensure responsive design.
- Combine CSS frameworks (e.g., Bulma UI) with design systems to enhance scalability, maintainability, and visual appeal in web development projects.

### TATVAAI | SOFTWARE DEVELOPER INTERN

May 2025 - July 2025

- Developed various types of software with the help of tech stack (Flask, Bootstrap and Loguru)

## PROJECTS

### PASTE APP

- It is a React project built with Vite for optimized builds, using Tailwind CSS for responsive styling.
- The app enables users to create, edit, search, and delete pastes, with data stored in Redux and persisted in localStorage.
- Redux Toolkit for robust state management, React Router DOM for dynamic routing, and React Hot Toast provides success/error notifications,
- The clean code, the modern stack, and the responsive design of the project align with best practices, but could be improved with input validation.

### CAREER PREDICTION MODEL USING FFM MODEL

2023 – Current

- Built a machine learning model to predict career choices by analyzing personality and behavioral data, leveraging relevant algorithms to ensure accurate predictions..
- Utilized comprehensive datasets encompassing personality traits and behavioral patterns to train and validate the model, enabling robust career choice recommendations.

### DIABETES PREDICTION MODEL

- Using medical and demographic information from the Pima Indians Diabetes Dataset, I created a machine learning model to predict diabetes risk such as Decision Tree, Random Forest, and SVM.
- Model performance was assessed using the accuracy score, the confusion matrix, the classification report, and the mean square error.
- Python, Scikit-learn, Pandas, NumPy, and Matplotlib were all used.

## EDUCATION

### WOODBINE GARDENIA SCHOOL

X

2019-2020 | Kanpur, UP  
75%

### WOODBINE GARDENIA SCHOOL

XII

2021-2022 | Kanpur, UP  
71%

### SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE AND  
ENGINEERING

2022-2026 | Majhitar, Sikkim  
CGPA - 7.1

## SKILLS

### PROGRAMMING

**Languages** - Hindi (Native), English (Fluent)

**Software** - Java, MongoDB, ReactJS, Node.js, Express.js, JavaScript, Redux, SQL, API, React, Tailwind CSS, Bootstrap

**Machine Learning** - Scikit-learn, Data Science, Python, SQL, Keras, PowerBI

**Tools and Technologies** - Git, VSCode, Linux, Github, Pycharm, WebStorm

## COURSEWORK

### UNDERGRADUATE

C++, Computer Architecture, Computer Network, Algorithms, Operating System, Compiler Design, Data Structure, Machine Learning, DBMS, Software Engineering

## CERTIFICATIONS

- **Artificial Intelligence by IIT Kanpur** Currently Pursuing
- **Data Analytics NPTEL** Topics: Python, Machine Learning
- **Introduction to Generative AI for Developers With Copilot** Microsoft
- **Analysis and Visualization of Data with Power BI by Microsoft** Topics: Microsoft PowerBI