

# SHIVANSHU SRIVASTAVA

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LinkedIn

GitHub

Portfolio

## Summary

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Final-year Computer Science student skilled in Python, SQL, and machine learning with hands-on experience building real-world data-driven applications. Developed projects in stock screening, AI-based systems, and analytics dashboards with strong focus on problem-solving and performance optimization.

## Education

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### Sandip University

*B.Tech, Computer Science and Engineering*

2022– Present

### GlenHill School

*SSC & HSC*

2018– 2021

## Technical Skills

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- Languages: Python, SQL, JavaScript
- Libraries/Tools: Pandas, NumPy, Matplotlib, Scikit-learn
- Concepts: Machine Learning, Data Analysis, Linear Algebra
- Web: HTML, CSS, Next.js, Tailwind
- Tools: Git, Streamlit, Power BI, Tableau

## Internships

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### Brain O Vision

*Machine Learning Intern*

Jan 2024– Mar 2024

Hyderabad, India

- Developed and optimized machine learning models improving prediction accuracy and workflow efficiency.
- Performed data preprocessing, feature engineering, and evaluation on structured datasets.
- Applied clustering algorithms for customer segmentation and behavioral analysis.

### Code Alpha

*Python Programming Intern*

Nov 2025– Nov 2025

Lucknow, India

- Developed Python-based applications focusing on clean code practices and problem-solving.
- Worked on data handling, automation scripts, and basic algorithm implementations.
- Strengthened understanding of core programming concepts and real-world development workflows.

## Projects

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### Stock Screener | Live

- Built NSE stock screener using technical indicators like RSI, MACD, and Moving Averages.
- Implemented scoring system to rank stocks for next-day swing trading.
- Developed interactive dashboard using Streamlit for real-time insights.

### AI Diet Planner | Live

- Developed AI-based diet planner generating personalized nutrition plans.
- Integrated OpenAI API with Next.js frontend.
- Deployed scalable application using Vercel and Tailwind CSS.

### E-Commerce Platform | Live

- Built SEO-optimized e-commerce platform with analytics integration.
- Improved performance and reduced page load time significantly.

## **Humidity and Temperature Prediction for HVAC System 1** | Team Project

- Developed ML model predicting temperature and humidity trends.
- Utilized Pandas, Scikit-learn, and visualization tools.

## **Sales Analysis** |

- Performed sales data analysis to identify trends and insights.
- Used Python, SQL, and Excel for data processing and reporting.

## **Hackathons**

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### **AICTE & Brainovision** | Data Science Hackathon

**Oct 2023**

- Built regression models including Linear Regression and Random Forest.
- Performed feature engineering on datasets with 1000+ records.
- Designed end-to-end ML pipeline from data cleaning to evaluation.

### **SUNHACKS 2024** | HVAC Smart Control System

**2024**

- Developed an HVAC optimization model for efficient air conditioning and electricity savings.
- Built a predictive system to determine optimal AC temperature settings using IoT device data.
- Improved energy efficiency through data-driven temperature and humidity predictions.