

# Application Development & Data Science

# ROSHAN MODI

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## **OBJECTIVE**

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Motivated M.Sc. Data Science student with a strong foundation in computer applications, programming, data structures, and databases. Seeking an internship or entry-level role to apply analytical, application development, and problem-solving skills in the data science field to real-world projects. Passionate about data-driven decision-making, scalable systems, and continuous learning in collaborative environments.

## **EDUCATION**

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- **MASTER'S OF SCIENCE IN APPLIED DATA SCIENCE** 2025-2027  
SRM Institute of Science and Technology, Chennai
- **BACHELOR OF COMPUTER APPLICATION** 2022-2025  
Veer Narmad South Gujarat University
- **XII (GSEB)** 2021-2022  
Jeevan Bharti High School
- **X (GSEB)** 2019-2020  
Shree Swaminarayan H V Vidhyalay and Academ

## **TECHNICAL SKILLS**

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- **Programming:** Python, Java, C, C++, R
- **Web:** HTML, CSS, PHP
- **Databases:** SQL, MySQL
- **App Development:** Flutter, Cross-Platform Apps
- **Data Science:** Data Cleaning, EDA, Statistics Basics, RapidMiner
- **ML Basics:** Linear & Logistic Regression, KNN, Decision Trees
- **Visualization:** Tableau, Power BI
- **Tools:** Adobe Photoshop, Adobe Premiere Pro

## **SKILLS**

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- Problem Solving
- Analytical Thinking
- Team Collaboration
- Technical Documentation
- Time Management
- Continuous Learning

## Projects

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### **SafeX Emergency Management System-**[SafeX Management System](#)

**Technologies:** Flutter, Flask, MySQL, IoT, GPS, Arduino, PHP Application

- Built a Flutter app for emergency alerts to hospitals, police, and fire services
- Integrated IoT + GPS for real-time location tracking
- Automated alert routing based on live coordinates

### **Smart Rain Detection System (IoT)-**[Demo Video](#)

**Technologies:** Arduino Uno, Rain Sensor, DC Motor

- Automated motor control based on rainfall detection
- Designed for smart window/roof automation and protection systems

### **RD Tours & Travels – Tour Booking Application**

**Technologies:** Flutter, Firebase, Razorpay

**Application Architecture:** Developed a cross-platform tour booking application with separate Admin and User modules for efficient package management and booking.

- Developed admin & user modules for tour booking
- Integrated online payments and real-time data storage
- Enabled inquiries via WhatsApp integration

## Certifications & Internship

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### **RapidMiner – Altair Engineering**

- Machine Learning (Professional & Master)
- Data Engineering (Professional & Master)
- Applications & Use Cases (Professional & Master)
- Platform Administration (Master)

### **Virtual Internship – SRM Institute of Science and Technology (SRMIST)**

- Hands-on experience in ML models, data pipelines, and business use cases

### **Other Certifications**

- **Python Programming: A Practical Approach** – Udemy (Xavier Chelladurai) | 16 hours | Sept 29, 2025