

Rajeeva Lochana

• rajeeva1505@gmail.com • (+91) 6360393042 • Bengaluru, Karnataka

EDUCATION	
VIT Bhopal UNIVERSITY, Bhopal, Madhya Pradesh B.Tech Computer Science and Engineering with a specialisation in AI & ML CGPA: 7.5/10	<i>Expected: May 2026</i>
Higher Secondary Delhi Public School Bangalore North Percentage: 89%	<i>Graduated: April 2021</i>
Secondary Delhi Public School Bangalore North Percentage: 89%	<i>Graduated: April 2019</i>
PROJECTS	
Gold Price Prediction	
<ul style="list-style-type: none">This project utilizes the ARIMA model to forecast gold prices by analysing historical time series data. The data is cleaned and examined for trends, seasonality, and stationarity.ARIMA parameters are selected based on statistical tests and model diagnostics to best capture the data's structure. The model is then trained and validated for accuracy.The predictions provide actionable insights into future price movements. These forecasts support strategic investment and financial decision-making.	
Agricultural Support system	
Developed a web-based system to help farmers predict suitable crops, access a marketplace, and receive weather insights. <ul style="list-style-type: none">Crop Prediction: Built a map with Leaflet.js that uses OpenWeather API and soil data for crop recommendations via a Random Forest model.Marketplace: Created a CRUD backend for listing and purchasing farm products with daily price updates and government regulations.Chatbot: Integrated a multilingual chatbot with Dialogflow and Google Translate API to answer farming-related queries.	
Solar Flare Analytical System	
Developed a machine learning model to predict solar flares and activity based on solar data (sunspot counts, solar wind speed, etc.). <ul style="list-style-type: none">Data Analysis: Processed historical solar activity data to identify patterns and correlations between solar events.Modeling: Applied Random Forest and LSTM models to predict solar flare intensity with an accuracy of ~68%.Deployment: Built a prediction dashboard using Streamlit to visualize real-time solar activity predictions.	
SKILLS	
<ul style="list-style-type: none">Python, Java, SQL, scikit-learn, TensorFlow, Keras, Apache Flume, Hadoop, Pandas, NumPy, Flask, FastAPI, Node.js, React.js, SQL, MongoDB, Firebase, Git, Streamlit, Time-Series Analysis	
CERTIFICATIONS	
<ul style="list-style-type: none">University of Michigan-Applied Machine Learning in Python.IBM-Machine Learning with PythonIBM-Object Oriented Programming in Java	