

# FLOODSENSE

Data-Driven Prediction for Safer Communities

[Get Started](#)

## Predict Flood Risk

Enter the parameters below to get an accurate flood risk assessment

### Prediction Parameters

River Discharge ( $\text{m}^3/\text{s}$ )

Infrastructure Status

Water Level (m)

Population Density

Latitude

Longitude

Humidity (%)

[Predict Risk →](#)

## Prediction Results

Your flood risk assessment will appear here

Flood Risk Assessment

Generated on 4/29/2025



Low

Medium

High

**Risk Score: 49/100****Detailed Analysis**

Moderate risk of flooding. There are some concerning factors that could lead to flooding under certain conditions.

**Recommendations**

- Implement preventive measures such as sandbags in vulnerable areas
- Ensure drainage systems are clear of debris
- Develop evacuation plans for residents
- Monitor weather forecasts closely

## How FloodSense Works

**Data Collection**

We gather real-time environmental data from multiple sources including weather stations, satellites, and IoT sensors.

**AI Analysis**

Our advanced machine learning algorithms process the data to identify patterns and predict potential flood risks.

**Risk Assessment**

We provide accurate risk assessments based on multiple factors including water levels, infrastructure, and population density.

**Quick Links**

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