

Diabetes Risk Prediction Report

Generated on: 2025-04-10 12:01:51

Section 1: User Inputs

HighBP: No
HighChol: No
CholCheck: No
BMI: 25.0
GenHlth: 3
MentHlth: 0
PhysHlth: 0
NoDocbcCost: No
Smoker: No
PhysActivity: No
Fruits: No
Veggies: No
HvyAlcoholConsump: No
Sex: Female
Age: 18-24
Education: Never attended school
Income: < \$10,000

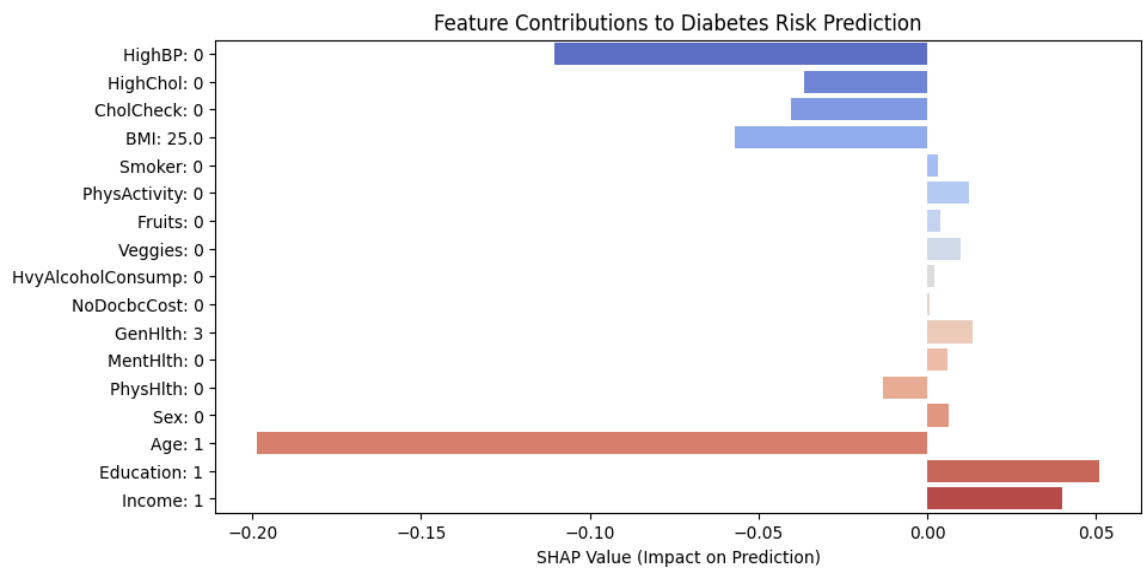
Section 2: Prediction Results

Probability of diabetes: 9.18%
Risk Level: Low risk (<30%)

Section 3: Key Factors Influencing the Prediction

- Age: 1 (decreases risk, SHAP value: -0.198)
- HighBP: 0 (decreases risk, SHAP value: -0.111)
- BMI: 25.0 (decreases risk, SHAP value: -0.057)
- Education: 1 (increases risk, SHAP value: 0.051)
- CholCheck: 0 (decreases risk, SHAP value: -0.040)

Section 4: Feature Impact Visualization



Section 5: Health Tips

No specific health tips based on your inputs. Maintain a healthy lifestyle to reduce your risk.

Disclaimer: This prediction is for informational purposes only.

Please consult a healthcare professional for a medical diagnosis.