flowchart TD

A[Start]

A --> B[Data Collection<br>• Accident reports<br>• Road/weather data]

B --> C[Data Cleaning]

B --> D[Exploratory Data Analysis (EDA)]

C --> E[Feature Engineering<br>• Time features<br>• Road attributes]

D --> E

E --> F[Model Development<br>• Train ML models<br>• Optimize]

F --> G[Risk Prediction<br>• High-risk zones<br>• Time windows]

G --> H[Visualization<br>• Heatmaps<br>• Dashboards]

H --> I[Deployment<br>• API<br>• Recommendations]

I --> J[End]