Insurance Claim Prediction

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Abstract*: The Health Insurance Claim Prediction system forecasts insurance claims based on health metrics using Flask and MySQL. It features secure client registration, login, and data management. Bulk information can be added through CSV uploads, maintaining an up-to-date database essential for accurate predictions. The dashboard provides key metrics like user demographics for quick insights. Predictive modeling uses SVM and KNN algorithms trained on historical data to forecast insurance claims, offering real-time feedback based on inputs like age, sex, and BMI. Data preprocessing ensures clean and analyzable data. This system helps insurance companies assess risk, tailor plans, and improve customer service*

Keywords: Support Vector Machine (SVM), K-Nearest Neighbors (KNN), Flask, Prediction, Insurance