**CrowdStrike Financial Analysis Project**

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**Overview**

Comprehensive financial analysis of CrowdStrike Holdings, Inc. (CRWD) evaluating investment potential and assessing the impact of the July 2024 global IT outage.

**Key Findings**

* July 2024 Outage Impact: Global financial losses estimated at $5-10 billion
* Company Recovery: 99% of affected systems restored by July 29, 2024
* Stock Performance: Bullish since 2024 outage impact
* Investment Recommendation: Buy/Hold

**Technologies Used**

* Python: Data collection, analysis, and modeling
* Libraries: pandas, numpy, matplotlib, seaborn, plotly, yfinance, scikit-learn
* Jupyter Notebooks: Interactive analysis and visualization
* Excel: Financial modeling and DCF analysis

**Key Metrics Analyzed**

* Financial Performance: Revenue growth, profitability, cash flow
* SaaS Metrics: ARR, NRR, customer metrics, Rule of 40
* Valuation: DCF model, comparable company analysis
* Risk Assessment: Operational risk, competitive positioning

**Data Sources**

* Yahoo Finance API (yfinance)
* SEC EDGAR Database
* Company earnings reports
* Industry research reports
* News and analyst coverage

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