

SMART BUDGET ASSISTANT USING MACHINE LEARNING

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This system addresses the pressing issue of personal financial management in an increasingly dynamic and challenging economic landscape. The motivation behind the development of this solution stems from the inadequacies of existing financial models that predominantly cater to industries, alongside basic money trackers for individuals. To bridge this gap, "The Smart Budget Assistant" project introduces a novel approach that leverages machine learning techniques to provide personalized financial guidance to individuals, enabling them to optimize their budgets and foster a robust financial life. By employing decision trees, this system tailors financial advice to individual circumstances, taking into account income, expenses, and financial goals, ultimately ensuring efficient resource allocation. The primary goal is to empower users to make informed and prudent financial decisions, enhancing their financial literacy and promoting self-reliance. In contrast to existing solutions, this project's data-driven approach offers a more comprehensive, user-centric, and personalized financial management system, promoting better decision-making, greater financial stability, and an improved quality of life for individuals. In essence, "The Smart Budget Assistant" project aspires to democratize financial wisdom, making it accessible to a broader community, regardless of their financial expertise or background, thus contributing to a more financially resilient society.