



PIONEERS OF DIGITAL EGYPT

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Project Proposal

Project Specifications and Financial Forecast for Pioneers of digital Egypt

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About ME

Hello! I'm Dina Abdallah.

A third-year student at Computer science , concentrating in Data science , AI and Machine learning. I'm passionate about apply this in real-life , especially in medical domain.

As a training student:

- I've made a complete web site about Palestine with html and css.
- I've achieve Entity framework windows form app to manage a project in a tire and battery shop , using c# windows form and SQL data base.
- Data visualization and classifying data with python.



Project Summary

The objective of this project is to analyze a publicly available diabetes dataset to gain insights into the factors contributing to diabetes and build predictive models to identify whether a patient has diabetes based on certain health indicators. By using data science techniques, this project aims to uncover patterns and provide a better understanding of the key factors influencing diabetes.



This project will not only develop predictive models but also deepen understanding of how different health factors affect diabetes, providing a data-driven basis for medical decision-making and prevention efforts.

Tools &

Technologies



Programming Languages

Python



Libraries

Pandas, NumPy, Scikit-learn,
Matplotlib, Seaborn, XGBoost



Tools

Jupyter Notebook

Project

Timeline



1 week



Data Collection
and Exploration

The project will take 2 month
to be done.

1 week



Data
Preprocessing

This timeline should provide
a visual representation of
the project's progress and
help to ensure that the
project stays on track. It is
important to regularly review
and update the timeline as
the project progresses to
ensure that it remains
accurate and achievable.
goals and deadlines.

1 week



Feature
Engineering

2 weeks



Model Building

2 week



Model Evaluation
and Tuning

1 week



Final Report and
Presentation

**Data Science
Use Cases in
Healthcare**

Contact

Information

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