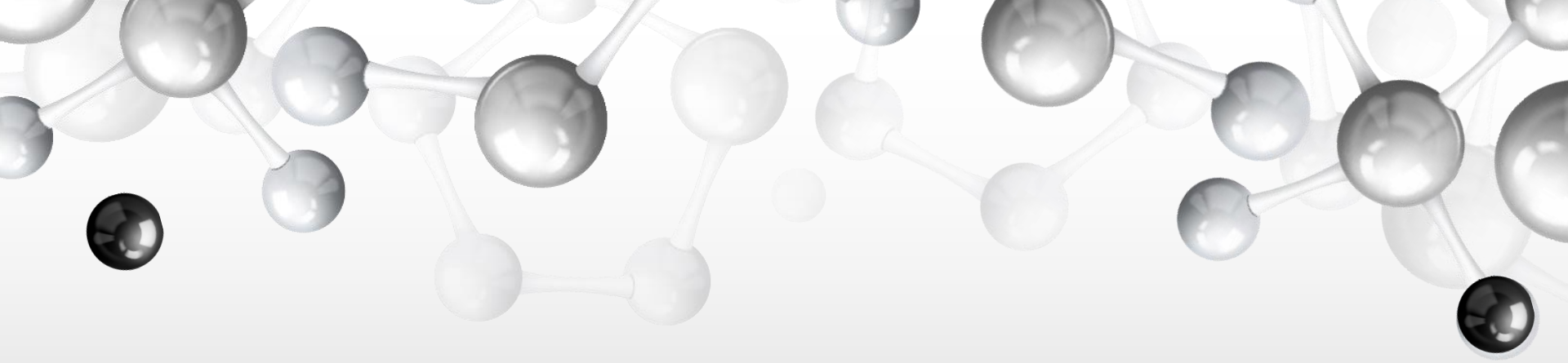
genetrival

NCBI POTABLE GENE RETRIEVAL

BORBI STEPHEN

Introduction

The project aims to build a web application that retrieves information about a specific gene from a public database like NCBI and displays it to the user.



“But biology and computer science – life and computation are related. I am confident at their interface great discoveries await those who seek it”

– Leonard Alderman

LEARNING OBJECTIVES

1. Build web applications using a web framework like Flask or Django.
2. How to interact with APIs and retrieve data from external sources.
3. Designing and implementing a database schema using SQLite.
4. Gaining experience in writing efficient and scalable code.
5. Developing skills in testing and debugging applications.
6. Deployment web applications using cloud services like Heroku or PythonAnywhere.

TECHNOLOGIES

1

Programming Language

Python

2

Web frame

Flask

3

Database schema

SQLlite

4

Frontend

HTML, CSS, Javascript

5

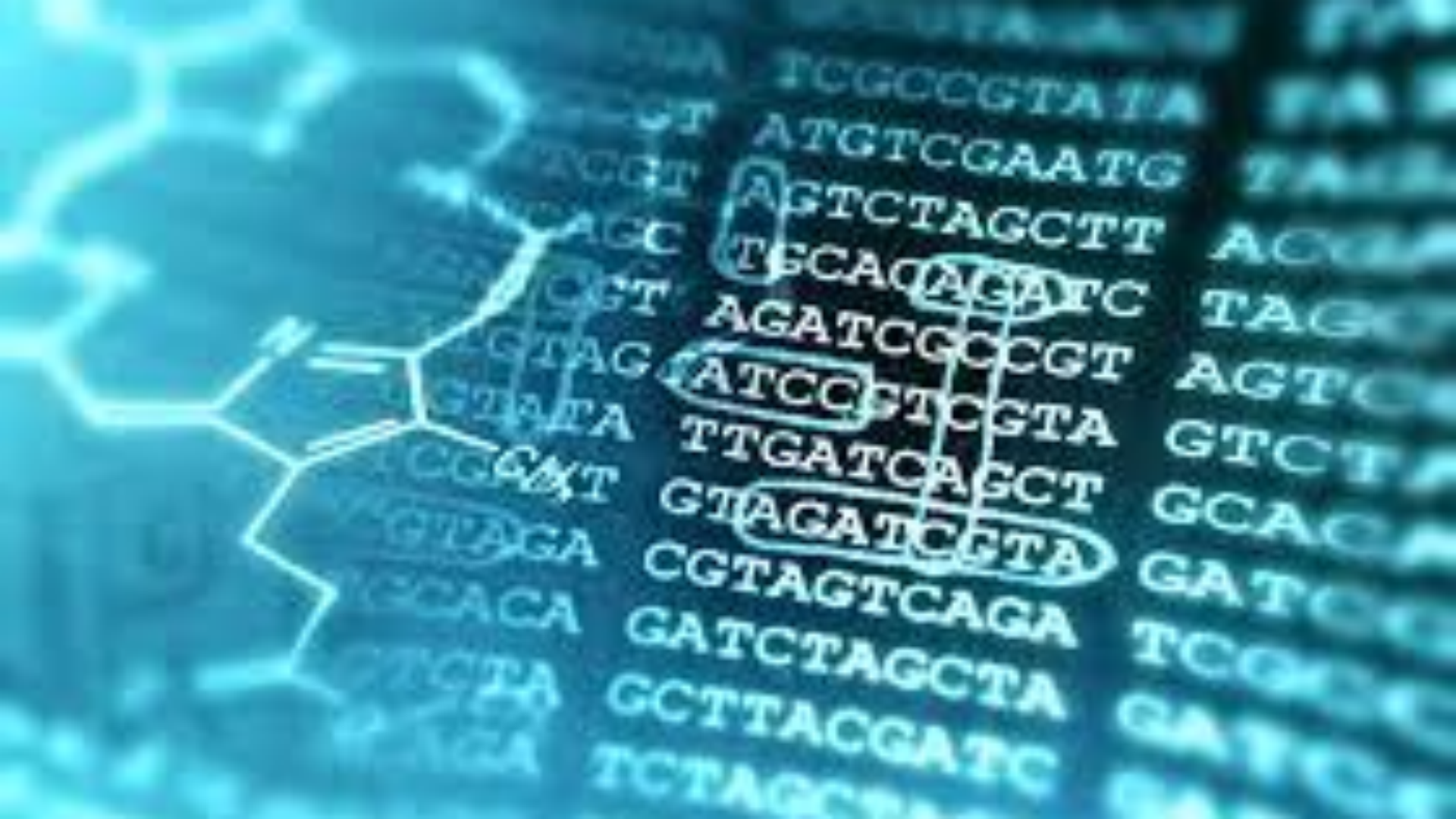
Backend

Biopython library

6

Deployment

Heroku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GCTTACGATC

MOCKUP

Genetrieval

Get your information on a gene

search

Thanks!

Do you have any questions?

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