

Link streamlit:

<https://poupuu-md-uts-william-streamlit-app-lfs80y.streamlit.app/>

Link github:

<https://github.com/poupuu/md-uts-william.git>

Link video:

https://drive.google.com/drive/folders/1IOQ1HObJ_RXAr3YLbcOjMHS3CUDtqeth?usp=sharing

2 Test Case

Input Loan Data

person_gender: Male

person_education: Master

person_home_ownership: MORTGAGE

loan_intent: DEBTCONSOLIDATION

previous_loan_defaults_on_file: No

person_age: 35

person_income: 8000.00

person_emp_exp: 10

loan_amnt: 15000.00

loan_int_rate: 9.95

loan_percent_income: 20.10

cb_person_cred_hist_length: 15.09

credit_score: 779

Inputted Patient Data

| | person_age | person_gender | person_education | person_income | person_emp_exp | person_home_ownership |
|---|------------|---------------|------------------|---------------|----------------|-----------------------|
| 0 | 35 | Male | Master | 8000 | 10 | MORTGAGE |

Prediction Result

| | Denied | Approved |
|---|--------|----------|
| 0 | 0.016 | 0.984 |

The predicted output is: 1

Predict Loan Approval

Loan Status Prediction: Approved

Input Loan Data

person_gender: Female

person_education: High School

person_home_ownership: RENT

loan_intent: PERSONAL

previous_loan_defaults_on_file: Yes

person_age: 23

person_income: 1500.00

person_emp_exp: 1

loan_amnt: 20000.00

loan_int_rate: 25.03

loan_percent_income: 98.66

cb_person_cred_hist_length: 1.14

credit_score: 421

Inputted Patient Data

| | person_age | person_gender | person_education | person_income | person_emp_exp | person_home_ownership |
|---|------------|---------------|------------------|---------------|----------------|-----------------------|
| 0 | 23 | Female | High School | 1500 | 1 | RENT |

Prediction Result

| | Denied | Approved |
|---|--------|----------|
| 0 | 0.9996 | 0.0004 |

The predicted output is: 0

Predict Loan Approval

Loan Status Prediction: Not Approved

Pemohon pertama disetujui karena memiliki penghasilan tinggi, skor kredit sangat baik, riwayat kredit panjang, tidak pernah gagal bayar, serta rasio cicilan terhadap penghasilan rendah, yang menunjukkan kemampuan finansial yang stabil dan terpercaya. Sebaliknya, pemohon kedua

ditolak karena penghasilan rendah, skor kredit buruk, riwayat gagal bayar, dan rasio cicilan yang sangat tinggi, sehingga dianggap berisiko tinggi oleh pemberi pinjaman.