📝 Input Parameters

Please provide the employee details:

Age ❓

| 25 | − | + |

Gender ❓

Female ⌄

Department ❓

Sales ⌄

Years of Experience ❓

| 1.50 | − | + |

Job Rate ❓

5.00

🚀 Predict Salary

Prediction requested!

🚀 Predict Salary

💰 Employee Salary Prediction

💰 Predicted Monthly Salary

$2,166.57

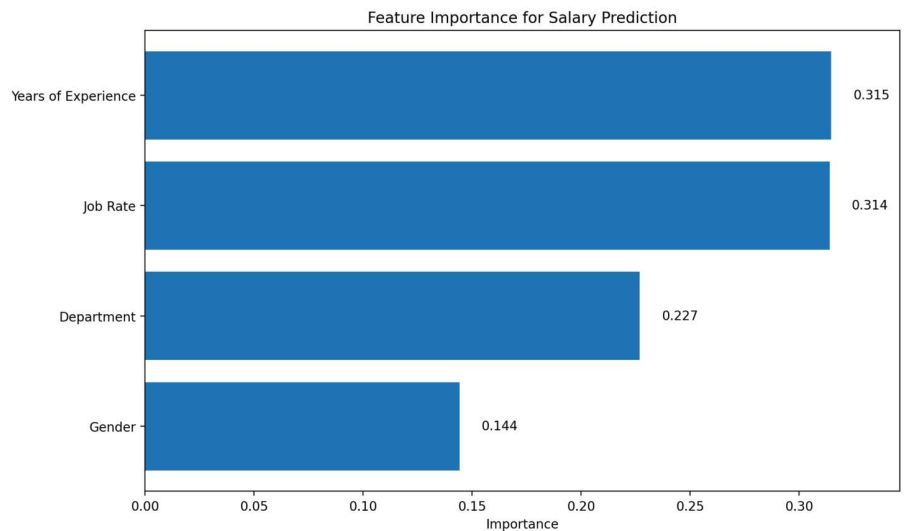## $25,998.82 annually

Age	Experience	Job Rate
25 years	1.5 years	5.0/10

📊 Feature Importance

Feature Importance for Salary Prediction

ℹ️ Model Information

Model Type: Random Forest Regressor
Training Date: 2025-08-17
Features Used: Gender, Years of Experience, Department, Job Rate
Prediction Range: Monthly salary in USD

🎯 How to Use

1. **Fill in the input parameters** in the sidebar
2. **Click the 'Predict Salary' button** to get your prediction
3. **View the results** including predicted salary and feature importance

📋 About the Model

This application uses a **Random Forest Regressor** trained on employee data to predict monthly salaries based on:

- **Demographics:** Age and Gender
- **Professional:** Years of Experience and Department
- **Performance:** Job Rate (1-10 scale)

The model was trained on real employee data and provides estimates based on patterns in the training dataset.

⚠️ Disclaimer

This is a **predictive model** and should be used for **informational purposes only**. Actual salaries may vary based on many factors not included in this model.