Interpretation :- Bias - Variance Trade off

- low bias + low variance → generalized model (ideal case)
- low bias + high variance → overfitting
- high bias + low variance → underfitting (due to bias)
- High bias + high variance → underfitting (due to both)
  (worst-case underfitting)

87% accuracy on training set
93% accuracy on testing set
} this is called as
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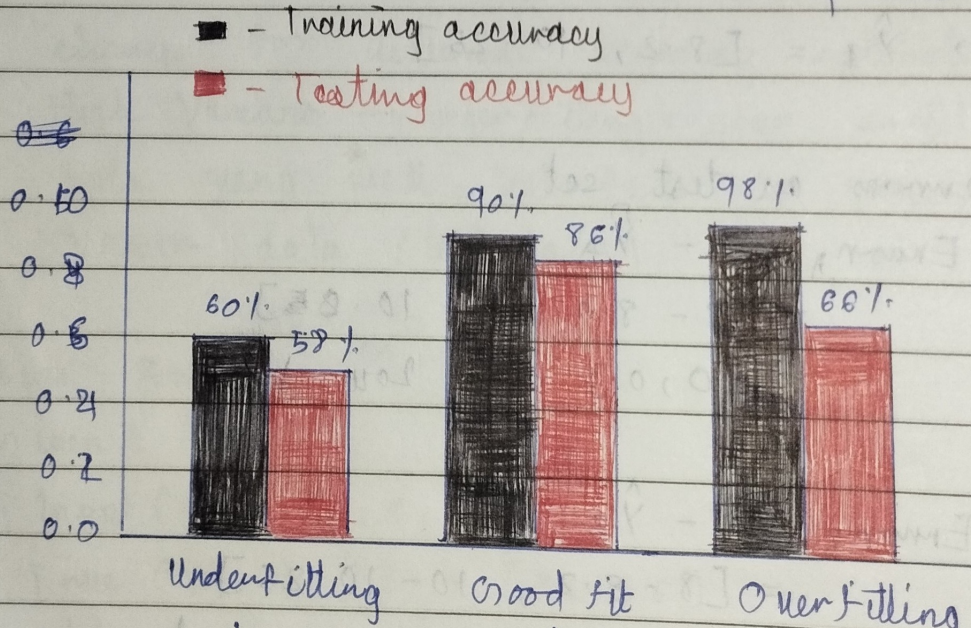
Data leakage
or
dataset mismatch
or
optimistic generalization

Bias → Training data
Variance → Testing data



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high ~~bias~~ bias + high variance

low bias + low variance

low bias + high variance