

Minimal Function Dependency Set

Candidate:

C_No \rightarrow {f_Name , l_Name , Unique_Identity, City , State, Country, PostalCode , Education , Currently_Employed , Experience, Contact_No, E_Mail, Age, Gender, Resume, Branch Id, Currently_Employer}

Key : C_No

This Relation is In BCNF.

Position:

P_Name \rightarrow {Status, Hiring_Manager, Job_Discription, Approximate_Salary, Expereince, Approval_Status, Degree, Major}

Key : P_Name

This Relation is in BCNF.

Education:

Degree, Major, C_No \rightarrow {Institute, year}

Key : {Degree,Major,C_No}

This Relation is in BCNF.

CandidateExpertisedArea:

Key : {C_No,ExpertisedArea}

This Relation is in BCNF.

Technical:

Key : {P_Name}

This Relation is in BCNF.

TechnicalSkill1:

Key : {P_Name,OperatingSystem}

This Relation is in BCNF.

TechnicalSkill2:

Key : {P_Name,ProgrammingLanguage}

This Relation is in BCNF.

Non-Technical:

Key : {P_Name,Non_Technical_Skills}

This Relation is in BCNF.

LocatedAt:

$P_Name, BranchId \rightarrow \{vacancy\}$

Key : {P_Name,BranchId}

This Relation is in BCNF.

Location:

$BranchId \rightarrow \{City,State,Country\}$

Key : {BranchId}

This Relation is in BCNF.

Interviewer:

Interviewer_No \rightarrow Interviewer_Name

Key : {Interviewer_No}

This Relation is in BCNF.

InterviewsFor:

Key : {P_Name,Interviewer_No}

This Relation is in BCNF.

New_Job_Application:

{App_No,C_No,Stage,P_Name} \rightarrow
{Status,AppliedDate,NextInterviewDate}

Key : {App_No,C_No,Stage,P_Name}

This Relation is in BCNF.

Review:

Review_ID \rightarrow
{App_No,C_No,Stage,P_Name,Interviewer_No,Rating,Review,Date}

Key : Review_ID

This Relation is in BCNF.