

Career Guidance AI - Data Dictionary

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This document provides a comprehensive overview of the database schema for the Career Guidance AI system. It includes details about each table, its columns, data types, and descriptions.

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Table: ADMIN

Description: Stores administrator account information

Field Name	Data Type	Description	Constraints
id	VARCHAR(255)	Primary key, auto-increment	PRIMARY KEY
username	VARCHAR(255)	Admin username (unique)	-
password	VARCHAR(255)	Hashed password	HASHED
plain_password	VARCHAR(255)	Plain text password (for demo purposes only)	HASHED

Table: CAREERS

Description: Stores information about different career paths

Field Name	Data Type	Description	Constraints
id	VARCHAR(255)	Primary key, auto-increment	PRIMARY KEY
title	VARCHAR(255)	Career title (e.g., Data Analyst, Software Developer)	-
description	VARCHAR(255)	Detailed description of the career	-
required_skills	VARCHAR(255)	Comma-separated list of required skills	-
category	VARCHAR(255)	Career category (e.g., Data, Technical, Creative)	-
salary_range	VARCHAR(255)	Expected salary range for the career	-
courses	VARCHAR(255)	Recommended courses for this career	-

path	VARCHAR(255)	Typical career progression path	-
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Table: CAREER_PROGRESS

Description: Tracks user progress in their chosen career path

Field Name	Data Type	Description	Constraints
id	VARCHAR(255)	Primary key, auto-increment	PRIMARY KEY
user_id	VARCHAR(255)	Foreign key to users table	-
career_id	VARCHAR(255)	Foreign key to careers table	-
milestone	VARCHAR(255)	Specific milestone in the career path	-
status	VARCHAR(255)	Status of the milestone (Not Started/In Progress/Completed)	-
resume_id	VARCHAR(255)	Foreign key to resumes table	-
note	VARCHAR(255)	Additional notes about the progress	-

Table: JOBS

Description: Stores job postings and opportunities

Field Name	Data Type	Description	Constraints
id	VARCHAR(255)	Primary key, auto-increment	PRIMARY KEY
title	VARCHAR(255)	Job title	-
company	VARCHAR(255)	Company name	-
location	VARCHAR(255)	Job location	-
job_type	VARCHAR(255)	Type of job (Full-time/Part-time/Internship/Remote)	-
salary	VARCHAR(255)	Salary information	-
url	VARCHAR(255)	URL to apply for the job	-
description	VARCHAR(255)	Job description	-
requirements	VARCHAR(255)	Required skills and qualifications	-
posted_at	TIMESTAMP	When the job was posted	-
career_id	VARCHAR(255)	Foreign key to careers table	-

Table: USERS

Description: Stores registered user information

Field Name	Data Type	Description	Constraints
id	VARCHAR(255)	Primary key, auto-increment	PRIMARY KEY
name	VARCHAR(255)	User's full name	-
email	VARCHAR(255)	User's email address (unique)	UNIQUE
password	VARCHAR(255)	Hashed password	HASHED
plain_password	VARCHAR(255)	Plain text password (for demo purposes only)	HASHED

profile_pic	VARCHAR(255)	Path to profile picture	-
headline	VARCHAR(255)	Professional headline	-
linkedin_url	VARCHAR(255)	LinkedIn profile URL	-
is_admin	BOOLEAN	Boolean flag for admin status	-

Table: RESUMES

Description: Stores user-uploaded resumes and parsed information

Field Name	Data Type	Description	Constraints
id	VARCHAR(255)	Primary key, auto-increment	PRIMARY KEY
user_id	VARCHAR(255)	Foreign key to users table	-
name	VARCHAR(255)	Name from resume	-
summary	VARCHAR(255)	Professional summary/objective	-
education	VARCHAR(255)	Education details	-
experience	VARCHAR(255)	Work experience	-
skills	VARCHAR(255)	Technical and soft skills	-
projects	VARCHAR(255)	Projects completed	-
certifications	VARCHAR(255)	Certifications earned	-
contact_info	VARCHAR(255)	Contact information	-
created_at	TIMESTAMP	When the resume was uploaded/created	-

Table: INTERESTS

Description: Stores user interests based on quizzes and preferences

Field Name	Data Type	Description	Constraints
id	VARCHAR(255)	Primary key, auto-increment	PRIMARY KEY
user_id	VARCHAR(255)	Foreign key to users table	-
interest_area	VARCHAR(255)	Area of interest (e.g., Technical, Creative, Data)	-
resume_id	VARCHAR(255)	Foreign key to resumes table	-
quiz_answers	VARCHAR(255)	JSON string of quiz answers	-

Table: PROJECTS

Description: Stores user projects and portfolio items

Field Name	Data Type	Description	Constraints
id	VARCHAR(255)	Primary key, auto-increment	PRIMARY KEY
user_id	VARCHAR(255)	Foreign key to users table	-
title	VARCHAR(255)	Project title	-
description	VARCHAR(255)	Project description	-

skills	VARCHAR(255)	Technologies/skills used	-
link	VARCHAR(255)	URL to project/demo	-
created_at	TIMESTAMP	When the project was added	-

This data dictionary was automatically generated. For any questions, please contact the database administrator.