schema	table_name	index_name	definition	description
public	ai_metadata	ai_metadata_pkey	CREATE UNIQUE INDEX ai_metadata_pkey ON ai_metadata USING btree (id)	null
public	ai_metadata	idx_ai_metadata_message_id	CREATE INDEX idx_ai_metadata_message_id ON ai_metadata USING btree (message_id)	null
public	ai_metadata	idx_ai_metadata_paper_id	CREATE INDEX idx_ai_metadata_paper_id ON ai_metadata USING btree (paper_id)	null
public	feedback	feedback_pkey	CREATE UNIQUE INDEX feedback_pkey ON feedback USING btree (feedback_id)	null
public	feedback	idx_feedback_given_by	CREATE INDEX idx_feedback_given_by ON feedback USING btree (given_by)	null
public	feedback	idx_feedback_rating	CREATE INDEX idx_feedback_rating ON feedback USING btree (rating)	null
public	feedback	idx_feedback_session_id	CREATE INDEX idx_feedback_session_id ON feedback USING btree (session_id)	null
public	group_participants	group_participants_group_id_user_id_key	CREATE UNIQUE INDEX group_participants_group_id_user_id_key ON group_participants USING btree (group_id, user_id)	null
public	group_participants	group_participants_pkey	CREATE UNIQUE INDEX group_participants_pkey ON group_participants USING btree (group_participant_id)	null
public	group_participants	idx_group_participants_group_id	CREATE INDEX idx_group_participants_group_id ON group_participants USING btree (group_id)	null
public	group_participants	idx_group_participants_user_id	CREATE INDEX idx_group_participants_user_id ON group_participants USING btree (user_id)	null
public	groups	groups_invite_code_key	CREATE UNIQUE INDEX groups_invite_code_key ON groups USING btree (invite_code)	null
public	groups	groups_pkey	CREATE UNIQUE INDEX groups_pkey ON groups USING btree (group_id)	null
public	groups	idx_groups_created_by	CREATE INDEX idx_groups_created_by ON groups USING btree (created_by)	null
public	groups	idx_groups_invite_code	CREATE INDEX idx_groups_invite_code ON groups USING btree (invite_code)	null
public	groups	idx_groups_name	CREATE INDEX idx_groups_name ON groups USING btree (name)	null
public	messages	idx_messages_message_type	CREATE INDEX idx_messages_message_type ON messages USING btree (message_type)	null
public	messages	idx_messages_reply_to	CREATE INDEX idx_messages_reply_to ON messages USING btree (reply_to)	null
public	messages	idx_messages_sender_id	CREATE INDEX idx_messages_sender_id ON messages USING btree (sender_id)	null
public	messages	idx_messages_sent_at	CREATE INDEX idx_messages_sent_at ON messages USING btree (sent_at)	null

schema	table_name	index_name	definition	description
public	messages	idx_messages_session_id	CREATE INDEX idx_messages_session_id ON messages USING btree (session_id)	null
public	messages	messages_pkey	CREATE UNIQUE INDEX messages_pkey ON messages USING btree (message_id)	null
public	paper_tags	idx_paper_tags_paper_id	CREATE INDEX idx_paper_tags_paper_id ON paper_tags USING btree (paper_id)	null
public	paper_tags	idx_paper_tags_tag	CREATE INDEX idx_paper_tags_tag ON paper_tags USING btree (tag)	null
public	paper_tags	paper_tags_pkey	CREATE UNIQUE INDEX paper_tags_pkey ON paper_tags USING btree (paper_id, tag)	null
public	papers	idx_papers_arxiv_id	CREATE INDEX idx_papers_arxiv_id ON papers USING btree (arxiv_id)	null
public	papers	idx_papers_categories	CREATE INDEX idx_papers_categories ON papers USING gin (categories)	null
public	papers	idx_papers_doi	CREATE INDEX idx_papers_doi ON papers USING btree (doi)	null
public	papers	idx_papers_publish_date	CREATE INDEX idx_papers_publish_date ON papers USING btree (publish_date)	null
public	papers	idx_papers_published_at	CREATE INDEX idx_papers_published_at ON papers USING btree (published_at)	null
public	papers	idx_papers_tags	CREATE INDEX idx_papers_tags ON papers USING gin (tags)	null
public	papers	idx_papers_title	CREATE INDEX idx_papers_title ON papers USING btree (title)	null
public	papers	papers_arxiv_id_key	CREATE UNIQUE INDEX papers_arxiv_id_key ON papers USING btree (arxiv_id)	null
public	papers	papers_doi_key	CREATE UNIQUE INDEX papers_doi_key ON papers USING btree (doi)	null
public	papers	papers_pkey	CREATE UNIQUE INDEX papers_pkey ON papers USING btree (paper_id)	null
public	papers_arxiv	idx_papers_arxiv_arxiv_id	CREATE INDEX idx_papers_arxiv_arxiv_id ON papers_arxiv USING btree (arxiv_id)	null
public	papers_arxiv	idx_papers_arxiv_categories	CREATE INDEX idx_papers_arxiv_categories ON papers_arxiv USING gin (categories)	null
public	papers_arxiv	idx_papers_arxiv_published_at	CREATE INDEX idx_papers_arxiv_published_at ON papers_arxiv USING btree (published_at DESC)	null
public	papers_arxiv	idx_papers_arxiv_title	CREATE INDEX idx_papers_arxiv_title ON papers_arxiv USING btree (title)	null
public	papers_arxiv	papers_arxiv_arxiv_id_key	CREATE UNIQUE INDEX papers_arxiv_arxiv_id_key ON papers_arxiv USING btree (arxiv_id)	null
public	papers_arxiv	papers_arxiv_pkey	CREATE UNIQUE INDEX papers_arxiv_pkey ON papers_arxiv USING btree (paper_id)	null
public	session_papers	idx_session_papers_paper_id	CREATE INDEX idx_session_papers_paper_id ON session_papers USING btree (paper_id)	null

schema	table_name	index_name	definition	description
public	session_papers	idx_session_papers_session_id	CREATE INDEX idx_session_papers_session_id ON session_papers USING btree (session_id)	null
public	session_papers	session_papers_session_id_paper_id_key	CREATE UNIQUE INDEX session_papers_session_id_paper_id_key ON session_papers USING btree (session_id, paper_id)	null
public	session_participants	idx_session_participants_session_id	CREATE INDEX idx_session_participants_session_id ON session_participants USING btree (session_id)	null
public	session_participants	idx_session_participants_user_id	CREATE INDEX idx_session_participants_user_id ON session_participants USING btree (user_id)	null
public	session_participants	session_participants_session_id_user_id_key	CREATE UNIQUE INDEX session_participants_session_id_user_id_key ON session_participants USING btree (session_id, user_id)	null
public	sessions	idx_sessions_created_by	CREATE INDEX idx_sessions_created_by ON sessions USING btree (created_by)	null
public	sessions	idx_sessions_group_id	CREATE INDEX idx_sessions_group_id ON sessions USING btree (group_id)	null
public	sessions	idx_sessions_status	CREATE INDEX idx_sessions_status ON sessions USING btree (status)	null
public	sessions	sessions_pkey	CREATE UNIQUE INDEX sessions_pkey ON sessions USING btree (session_id)	null
public	user_presence	idx_user_presence_last_seen	CREATE INDEX idx_user_presence_last_seen ON user_presence USING btree (last_seen)	null
public	user_presence	idx_user_presence_session_id	CREATE INDEX idx_user_presence_session_id ON user_presence USING btree (session_id)	null
public	user_presence	idx_user_presence_status	CREATE INDEX idx_user_presence_status ON user_presence USING btree (status)	null
public	user_presence	user_presence_pkey	CREATE UNIQUE INDEX user_presence_pkey ON user_presence USING btree (user_id, session_id)	null
public	users	idx_users_auth_user_id	CREATE INDEX idx_users_auth_user_id ON users USING btree (auth_user_id)	null
public	users	idx_users_email	CREATE INDEX idx_users_email ON users USING btree (email)	null
public	users	users_auth_user_id_key	CREATE UNIQUE INDEX users_auth_user_id_key ON users USING btree (auth_user_id)	null
public	users	users_email_key	CREATE UNIQUE INDEX users_email_key ON users USING btree (email)	null
public	users	users_pkey	CREATE UNIQUE INDEX users_pkey ON users USING btree (user_id)	null