**Job Smart AI – Powered Career Tracker**

**Project Objectives**

**Job Smart system** is a full-stack application that allows users to save, manage, and track their job applications in one place. It analyzes each job description and the user’s resume to calculate a percentage match, highlight strengths and weaknesses, and provide suggestions for improvement using open ai tools. Additionally, the system generates possible common interview questions and answers based on the job description using RAG to help users better prepare for interviews.

Frontend: Angular

Backend: Typescript

Openai: Matching job description and resume

RAG: Provide common interview questions and answers.

A diagram of a work flow

AI-generated content may be incorrect.

**DB Schema:**

const **userSchema** = new Schema({

  userName: { type: String },

  email: { type: String, unique: true, required: true },

  password: { type: String, required: true },

profile\_url: {type: String}

}, { timestamps: true });

const **JobSchema** = new Schema({

   user: {

user\_id: { type: Schema.Types.ObjectId },

userName: String

},

  company: String,

  jobTitle: String,

  jobDescription: String,

  status: { type: String, enum: ['Applied', 'Interview', 'Offer', 'Accepted', 'Rejected'], default: 'Applied' }

  salary: Number,

  application\_Date: { type: Date, default: Date.now },

  location: String,

  notes: String,

   feedback: {

match\_score: Number,

 strengths: [String ],

weaknesses: [String ],

suggestions: [String ]

},

}, { timestamps: true });

const **InterviewQuestionSchema** = new Schema({

user: {

userId: { type: Schema.Types.ObjectId },

userName: String

},

 job:{

jobId: { type: Schema.Types.ObjectId},

jobTitle:String

},

  questions: [{

question: String,

answer: String

} ]

}, { timestamps: true });

**Forms**

**Signup**

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SignIn

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Application Job Lists

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Add New Job Application

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Update Job Application

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Interview Question & Answer List

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Delete Job Application

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