

## Software Requirement Specification (SRS) for BIT - Interview Candidates Details

**Student Name:** VARUNESH D

**Seat No:** 269

**Project ID:** 29

**Project Title:** BIT - Interview Candidates Details

### Technical Components

Component	Tech Stack
Backend	NodeJS & ExpressJS
Frontend	ReactJs
Database	MongoDB
API	RESTful services

### Problem Statement:

The current process for managing interview candidate details at BIT is likely manual and inefficient. This can lead to issues such as:

- Difficulty in accessing and searching for candidate information.
- Inconsistent data storage and potential for errors.
- Time wasted on administrative tasks related to candidate data management.

## **Project Flow :**

### **Purpose:**

To develop a web application that streamlines the process of storing, accessing, and managing interview candidate details at BIT.

### **Scope:**

- Create new candidate profiles.
- View and edit existing candidate profiles.
- Search for candidates based on various criteria (e.g., name, designation, skills).
- Upload candidate resumes.
- Track interview progress and selection status.

### **Business Context:**

This application aims to improve the efficiency and organization of the interview process at BIT. This will benefit various stakeholders, including:

- Human Resources (HR) department: Saves time and effort managing candidate data.
- Hiring Managers: Easier access to qualified candidates.
- Interviewers: Streamlined interview scheduling and candidate information access.

### **Considerations:**

- Secure user authentication and authorization for accessing candidate data.
- User-friendly interface for easy data input and retrieval.
- Responsive design for access on various devices.

## Dependencies:

- **Body-parser** is a Node.js middleware for parsing incoming request bodies.
- **Express-validator** is a middleware for validating incoming request data in Express.
- **Jsonwebtoken** is a library for generating and verifying JSON Web Tokens (JWTs).
- **Mongoose** is an Object Document Mapper (ODM) for MongoDB.
- **Nodemon** is a development tool for automatically restarting Node.js applications on code changes.
- **Axios** is a library for making HTTP requests.
- Secure database server for storing candidate information.

## User Personas:

- HR Personnel: Manages the application, creates candidate profiles, and tracks interview progress.
- Hiring Managers: Searches and views candidate profiles, schedules interviews, and updates selection status.
- Interviewers: Access candidate profiles and notes before interviews.

## User Stories:

- As an HR representative, I want to create new candidate profiles with complete details and upload resumes.
- As a hiring manager, I want to search for candidates based on specific criteria and view their profiles.
- As an interviewer, I want to easily access candidate information and notes before conducting interviews.

## Functional Requirements:

- User Authentication: Secure login mechanism for authorized users.
- Candidate Management: Create, edit, and view candidate profiles.
- Search Functionality: Search for candidates based on various criteria.
- Resume Upload: Allow uploading candidate resumes in different formats.
- Interview Tracking: Track interview progress and selection status.
- Dynamic Dashboard: Real-time display of candidate details, interview schedules, and selection status.
- Address Management: Storage and retrieval of candidate addresses for communication purposes.


## Flowchart:

## Frontend:

## LoginPage:

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**INTERVIEW**  
**CANDIDATE DETAILS**

**Hello User!!!**  
**Status : Green / Red**




Table 1

**My Info**

**Search Student**

**About**

Student Photo

**SearchStudent:**[illegible]