

D.K.T.E. Society's

Textile and Engineering Institute, Ichalkaranji.

(An Autonomous Institute, Affiliated to Shivaji University, Kolhapur)

Department of Computer Science and Engineering

MiniProject

Feature-rich, Resume Builder Application

Under the Guidance of

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Problem Statement:

In today's tough job market, it's hard for people to show how great they are in their resumes. The tools we have right now to build resumes aren't very good for Freshers. They don't know "how to start?" or "Where to start building resume?". To overcome these complications, we are building a feature-rich resume builder.

1. Frontend Development:

- **HTML/CSS:** For creating a simple user interface, we'll rely on basic HTML and CSS. If needed, we might incorporate frameworks like Bootstrap or Bulma for quick styling.
- **Vanilla JavaScript:** Our aim is to utilize plain JavaScript for basic form validation and interactivity without resorting to a framework.

2. Backend Development:

- **Node.js:** One of our key decisions will be selecting a backend runtime for server-side logic. Either Node.js will suffice for our basic project needs.
- **Express.js (for Node.js):** These lightweight frameworks will serve our purpose well by handling HTTP requests and serving static files.

3. Database:

- **MySQL:** To keep things simple, we'll use MySQL, a lightweight relational database that doesn't require a separate server. It's perfect for our small-scale project and easy to set up.

4. Deployment:

- **Netlify:** For hosting our basic project, we'll opt for Netlify, which offers a free tier and easy deployment for Node.js applications.

5. Other Tools and Libraries:

- **Basic Form Handling:** Our focus will be on basic form handling on the backend, without getting into complex validation or authentication.
- **File Storage:** We'll store resumes as files on the server file system itself, without the need for cloud storage in our basic setup.

- **Simple PDF Generation:** To generate PDFs directly from user input on the server, we'll look into basic libraries or built-in functionality.

6. Version Control:

- **Git for version control:** Even in our basic project, Git will be our go-to tool for version control, essential for tracking changes and collaborating effectively.

Block Diagram :

