📢 Frontend Integration Guidelines for AI Resume Project

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📄 Common Resume Schema to Follow (For All Templates)

Please strictly follow the **below schema** when sending data to the backend.

This will allow us to use a **single common backend logic for all templates** without extra mapping.

✅ Standard Schema Structure:

```
{
  "name": "Full Name",
  "role": "Role or Designation",
  "phone": "Phone Number",
  "email": "Email ID",
  "linkedin": "LinkedIn URL",
  "location": "City, State",

  "summary": "Professional summary text here.",

  "experience": [
    {
      "title": "Job Title",
      "companyName": "Company Name",
      "date": "Start - End Dates",
      "companyLocation": "Company City",
      "accomplishment": ["Point 1", "Point 2", "Point 3"]
    }
  ],

  "education": [
    {
      "degree": "Degree Name",
      "institution": "Institution Name",
      "duration": "Start - End Dates",
      "location": "Institution City"
    }
  ],

  "achievements": [
    {
      "keyAchievements": "Achievement Title",
      "describe": "Description of the achievement"
    }
  ],

  "skills": ["Skill 1", "Skill 2", "Skill 3"],

  "languages": ["Language 1", "Language 2"],

  "projects": [
    {
      "title": "Project Title",
      "description": "Project Description",
      "duration": "Project Duration"
    }
  ],

  "courses": [
    {
      "title": "Course Title",
   "description": "Course Description"
  }
 ],

 "certifications": [
  {
   "title": "Certification Title",
   "issuedBy": "Certification Authority",
   "year": "Year"
  }
 ],

 "hobbies": ["Hobby 1", "Hobby 2"]
}
```

✅ If any section is not present in your template, directly remove that field

❌ Don’t send empty arrays.

✅ Don’t send empty strings.

Just completely **remove the field** from `resumeData`.

💻 Example – Perfect `useState` Format (Template Specific)

If your **template supports only:**

- `name` `role` `phone` `email` `linkedin` `location` `summary` `experience` `education` `achievements` `skills` `languages`

👉 **Then useState should look like this:**

```
const [resumeData, setResumeData] = useState({
 name: "John Doe",
 role: "Full Stack Developer",
 phone: "123-456-7890",
 email: "john.doe@example.com",
 linkedin: "linkedin.com/in/johndoe",
 location: "Pune, Maharashtra",

 summary: "Full Stack Developer with experience in React and Node.js.",

 experience: [
   {
     title: "Frontend Developer",
     companyName: "ABC Corp",
     date: "Jan 2022 - Present",
     companyLocation: "Mumbai",
     accomplishment: [
       "Built responsive UIs using React.",
       "Integrated backend APIs with Axios.",
     ],
   },
 ],

 education: [
   {
     degree: "B.E. Computer Science",
     institution: "Pune University",
     duration: "2017 - 2021",
     location: "Pune",
   },
 ],

 achievements: [
   {
     keyAchievements: "Hackathon Winner",
     describe: "Won first prize in a 48-hour coding hackathon.",
   },
 ],
 skills: ["React.js", "Node.js", "MongoDB"],

 languages: ["English", "Hindi"],
});
```

🚨 Important Rules:

1. ✅ **Field names must exactly match the schema.**

   Example: `companyName` ✅, `companyname` ❌, `company_name` ❌

2. ✅ **Spelling must be correct and consistent.**

   Any incorrect spelling will break the backend enhancement and saving process.

3. ✅ **Data types must be correct:**

   - `experience` → Array of Objects ✅
   - `accomplishment` → Array of Strings ✅
   - `skills` → Array of Strings ✅
   - `achievements` → Array of Objects ✅
   - `courses` → Array of Objects✅
   - `projects` → Array of Objects✅

4. ✅ If any section is **not present in your template**, **directly remove that field**

5. ✅ **Field order does not matter.**

   But field names and structure must remain the same.

6. ✅ **Use same function names and variable names as provided.**

   Example: Use `resumeData` for state management and `setResumeData` to update.

7. ✅ **No additional mapping or transformation required at frontend.**

   Just send the data in the exact same format and the backend will handle it dynamically.

💡 Why This is Important:

- Common backend logic will work for all templates.
- No need for individual template-specific APIs or mappings.
- Easy debugging and faster development.
- Saves time for both frontend and backend teams.

🤝 If you face any issues:

Please double-check:

- Field names
- Spelling
- Data types

  Before reaching out.

⚡ Use the below format for initializing resume data state in React:

React `useState` Example (With ATS-Friendly Dummy Content)

```
const [resumeData, setResumeData] = useState({
  name: "John Doe",
  role: "Full Stack Developer | JavaScript | React | Node.js",
  phone: "123-456-7890",
  email: "john.doe@example.com",
  linkedin: "linkedin.com/in/johndoe",
  location: "Pune, Maharashtra",

  summary:
    "Results-driven Full Stack Developer with 3+ years of experience in buildin
```

```
g scalable web applications using React, Node.js, and MongoDB. Proven ability to optimize performance, implement RESTful APIs, and deliver responsive UI designs. Strong knowledge of version control (Git), Agile methodologies, and cloud deployment strategies. Adept at collaborating with cross-functional teams to deliver high-quality, ATS-optimized solutions.",

  experience: [
    {
      title: "Full Stack Developer",
      companyName: "Tech Solutions Pvt Ltd",
      date: "Jan 2022 - Present",
      companyLocation: "Mumbai",
      accomplishment: [
        "Developed and deployed scalable web applications using React.js, Node.js, and MongoDB.",
        "Improved API response time by 25% through backend optimization and efficient database queries.",
        "Collaborated with UI/UX teams to implement responsive, cross-browser compatible designs.",
      ],
    },
    {
      title: "Frontend Developer Intern",
      companyName: "Web Creators",
      date: "Jun 2021 - Dec 2021",
      companyLocation: "Pune",
      accomplishment: [
        "Built reusable UI components using React.js and improved code maintainability.",
        "Integrated third-party APIs to fetch and display real-time data efficiently.",
        "Participated in Agile sprints and collaborated with backend teams for seamless API integration.",
      ],
    },
  ],
  education: [
    {
      degree: "Bachelor of Engineering in Computer Science",
      institution: "Savitribai Phule Pune University",
      duration: "2017 - 2021",
      location: "Pune",
    },
  ],

  achievements: [
    {
      keyAchievements: "Best Project Award",
      describe:
        "Won the Best Final Year Project Award for developing a MERN stack-based AI Resume Builder with real-time PDF export functionality.",
    },
    {
      keyAchievements: "Hackathon Winner",
      describe:
        "Secured 1st place in a 48-hour hackathon by building a scalable e-commerce platform using React and Node.js.",
    },
  ],

  skills: [
    "React.js",
    "JavaScript",
    "Tailwind CSS",
    "Node.js",
    "Express.js",
    "MongoDB",
    "RESTful APIs",
    "Git",
    "Postman",
  ],
  languages: ["English", "Hindi"],

  projects: [
    {
      title: "AI Resume Builder",
      description:
        "Developed a full-stack AI-powered resume builder with Gemini API integration, real-time PDF export, and dynamic resume templates.",
      duration: "6 months",
    },
    {
      title: "E-Commerce Platform",
      description:
        "Created a scalable e-commerce application with product search, payment integration, and order management features.",
      duration: "4 months",
    },
  ],

  courses: [
    {
      title: "MERN Stack Development",
      description:
        "Completed an in-depth MERN stack course covering React, Node.js, Express, and MongoDB with hands-on projects.",
    },
    {
      title: "AWS Cloud Practitioner",
      description:
        "Learned cloud deployment, serverless architecture, and AWS services essential for web applications.",
    },
  ],

  certifications: [
    {
      title: "AWS Certified Developer",
      issuedBy: "Amazon Web Services",
      year: "2024",
    },
    {
      title: "React Advanced Certification",
      issuedBy: "Coursera",
      year: "2023",
    },
  ],

  hobbies: ["Reading Tech Blogs", "Playing Chess", "Photography", "Cycling"],
});
```