

Part 2: Resume Building with LaTeX + AI + Prompting Power

1. Why Avoid MS Word or Canva for ATS

- Graphical formats fail in ATS parsing.
- Multiple columns confuse ATS.
- .docx from Word may cause formatting issues in different systems.

2. What is LaTeX?

- A document preparation system used by researchers and professionals.
- Pros: Clean formatting, version control, better PDF output.
- Cons: Slightly higher learning curve.

3. Resume Creation with LaTeX + AI

Tools You'll Use:

- Overleaf (LaTeX editor)
- ChatGPT / Gemini (Prompt generation)
- GitHub templates (for LaTeX resumes)

Prompts for Resume Sections

• Contact Info:

"Generate professional contact section for a resume."

• Summary:

"Write a summary for a software engineer with 2 years experience in React and Node."

• Work Experience:

"Write job description for frontend developer at ABC from Jan 2022 to Dec 2023 with React."

• Skills:

"List top 10 skills for a full stack web developer."

• Education:

"Format B.Tech in CSE from JNTU Hyderabad, graduated in 2024."

• **Certifications:**

"Add certification section with AWS, Azure, and Google Cloud."

4. ATS Resume Testing Tools

- **Jobscan** (jobscan.co)
- **SkillRoads ATS checker**
- **Rezi Score** (rezi.io)

5. Output Format

- Save as **PDF**.
- No images, tables, or multi-columns.
- Clear headings with bullet points.

6. Bonus AI Tip

- Use AI to extract keywords from JD:

Copy JD → WordClouds.com → Add top words into your resume naturally.

Final Tips

For Students:

- Keep your resume updated semester-wise.
- Focus on academic projects and technical skills.
- Mention GitHub profile with real projects.

For Professionals:

- Quantify achievements (in % or ₹₹₹).
- Keep summary strong & specific to job roles.
- Don't lie on resumes. ATS can't catch it, but interviews will.

For Everyone:

- Resume = marketing of your skills.
- Customize for every job (especially keywords).
- LinkedIn and Resume = must be 90% same.
- Use LaTeX if you want consistency and clarity.
- Use Grammarly + Jobscan to double-check.