

60-Day Placement-Focused Roadmap

Goal: Placement-ready with 2 strong projects + DSA base + polished resume/GitHub/LinkedIn

Phase 1: Weeks 1-2 (Job Tracker App + DSA Base)

- Setup Python, Flask, VS Code, Git
- Create templates, static, app.py, db.sqlite
- Build HTML/CSS frontend dashboard
- Connect with SQLite using Flask
- Add CRUD features: add, edit, delete, search
- Push to GitHub and deploy on Render
- Solve 3-4 DSA problems/day (arrays, strings, recursion)

Phase 2: Weeks 3-4 (AI Resume Matcher + Intermediate DSA)

- Create Streamlit app with spaCy, scikit-learn, PyPDF2
- Add PDF + JD input, extract text
- NLP-based keyword extraction and cleaning
- Calculate cosine similarity (TF-IDF)
- Show match %, missing keywords
- Deploy to Streamlit Cloud + GitHub
- DSA: sliding window, hashing, stacks/queues

Phase 3: Weeks 5-6 (Resume + GitHub Polish + Trees/LL DSA)

- Update resume with BEL, Job Tracker, Resume Matcher
- Clean GitHub (README, structure, screenshots)
- Update LinkedIn About, Projects, Internship
- Solve trees, prefix sums, recursion, linked lists
- Practice mock interviews

Phase 4: Weeks 7-8 (Bonus Project + Revision)

- Optional: System Resource Monitor (client-server, sockets)
- Log CPU/RAM usage, send alerts, save to DB/logs
- Final resume polish + job applications
- Final DSA: graphs, basic DP, complete 150-200 problems

- Do mock interviews and company-specific prep

Final Deliverables by September 1:

- 3 Projects (Encrypted File Transfer, Job Tracker, Resume Matcher)
- 150-200 DSA problems
- Polished resume, GitHub, LinkedIn