

Week 1:

Plan and Tasks:

- Stakeholder interviews, gather requirements
- Write user stories, define KPIs
- Start architecture/system blueprint

Technologies Used:

- Google Meet, Slack, Google Forms
- Trello, Notion, Jira

Week 2:

Plan and Tasks:

- Finalize system/architecture design
- Create UI/UX wireframes for key flows
- Draft DB schema, API contracts
- Bootstrap frontend repo, set up dev env

Technologies Used:

- Figma, Draw.io
- dbdiagram.io, Swagger/OpenAPI
- React.js, create-react-app/Vite

Week 3:

Plan and Tasks:

- Build auth/login/signup UI
- Implement navigation/routing
- Start drag-and-drop file upload

Technologies Used:

- React.js, React Router, react-dropzone
- Tailwind CSS/CSS Modules

Week 4:

Plan and Tasks:

- Implement full upload workflow (forms, validation)
- Build dashboard structure (results placeholders)
- Add responsive/mobile design

Technologies Used:

- React.js, react-dropzone
- Tailwind CSS

Week 5:

Plan and Tasks:

- Finalize upload UI and dashboard
- Setup FastAPI backend, project structure, endpoints
- Implement authentication logic (JWT/OAuth)

Technologies Used:

- FastAPI, Python
- fastapi-users, JWT/OAuth
- Axios/Fetch (integration)

Week 6:

Plan and Tasks:

- Backend file upload endpoint (PDF/DOCX)
- Integrate doc parsing utilities
- Begin NER pipeline for CVs/jobs

Technologies Used:

- FastAPI
- pdfplumber, python-docx
- spaCy, Hugging Face Transformers

Week 7:

Plan and Tasks:

- Finalize NER logic
- Build initial job recommendation stub
- Provision DB (Supabase/MongoDB), schema and models

Technologies Used:

- spaCy, Hugging Face Transformers
- FastAPI, SQLAlchemy
- Supabase (Postgres), MongoDB Atlas

Week 8:

Plan and Tasks:

- DB migration, seed basic data
- Connect backend to DB, backup policy
- Integrate semantic similarity model

Technologies Used:

- Supabase, MongoDB Atlas
- SQLAlchemy/Alembic
- sentence-transformers

Week 9:

Plan and Tasks:

- Develop similarity scoring, overlap analysis
- Prototype recommendations, validate with test data

Technologies Used:

- sentence-transformers, scikit-learn
- FastAPI

Week 10:

Plan and Tasks:

- Refine CV-to-job feedback/explanations
- Finalize model outputs
- Write/run unit tests (frontend & backend)

Technologies Used:

- pytest (py), Jest (js), React Testing Library

Week 11:

Plan and Tasks:

- Integration/API and E2E tests
- Final bug fixing
- Prepare deployment configs/env files

Technologies Used:

- Cypress/Playwright, HTTPX/requests
- GitHub Actions

Week 12:

Plan and Tasks:

- Setup/test CI/CD pipelines
- Deploy frontend (Vercel/Netlify), backend (Render/Fly.io)
- Live DB connect, live testing & fixes
- User documentation, monitor errors/logs

Technologies Used:

- Vercel, Netlify, Render, Railway, Fly.io
- Supabase, MongoDB Atlas
- Sentry, LogRocket
- GitHub Actions