# Tasks to complete before interviews

* Complete min. 24 assignments and personal assignments with blogs
* Create an epic portfolio website
* Maintain and add all projects on GitHub with excellent documentation
* Become extremely good at deriving every equation
* Prepare all interview questions
  + <https://www.youtube.com/results?search_query=machine+learning+interview>
  + https://www.google.com/search?q=machine+learning+interview+questions&oq=machine+learning+interview+questions&aqs=chrome..69i57j0l5.7523j0j7&sourceid=chrome&ie=UTF-8
* Get really good at SQL
* Complete all ANKI decks
* Learn all glossaries
  + <https://semanti.ca/blog/?glossary-of-machine-learning-terms>
  + <https://developers.google.com/machine-learning/glossary/>
  + <https://www.analyticsvidhya.com/glossary-of-common-statistics-and-machine-learning-terms/>
  + <https://ml-cheatsheet.readthedocs.io/en/latest/glossary.html>
* Implement all basic data structures and algorithms (recursion too)
* Basics of calculus - differentiation
* Dynamic programming

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# Applied AI Portfolio examples

* <https://dhruv5950.github.io./>
* <https://paryushjain.github.io/> (non applied ai)
* <https://goku.me/>
* <https://rudrakshtuwani.github.io/>
* <http://erilyth.github.io>

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# Applied AI Student’s Github

* <https://github.com/Dhruv5950>

# Haberman

* <https://github.com/meetshah133/HabermanSurvivalDataSet-Analysis/blob/master/HebermanSurvivalAnalysis.ipynb>
* <https://github.com/pskadasi/eda_haberman/blob/master/haberman.ipynb>

# Impressive resumes, linkedin and cover letters

# Interview Questions

## Salary negotiation

1. <https://www.linkedin.com/feed/update/urn:li:activity:6555460494356996096>  
     
   One thing I want to advise you is: Don't ever tell a recruiter of hiring manager how much you are earning currently. Instead tell them that you expect a market conform salary. I mean it’s one thing that your current employer pays you less, why the heck should the next pay same? Keep it a value based discussion, focus on things like what you bring to the table in terms of skills and projects you did. If this new employer still can’t see value, then it’s their problem not yours!
2. it’s hard. Cement your negotiation based on your skills, experience and enthusiasm. You can politely say that what you’re expecting is more in line with what you’ve grown into in now.

## Programming questions

1. <https://www.youtube.com/watch?v=0Vmtmqa9Og0>  
   Would dynamic programming be required in my case as well ?
2. Shorted path, BFS, graph, searching algos

Interview tips

1. Candidate has more control over the interview towards the direction he/she wants.  
   To showcase your strengths where you are comfortable in.
2. Typically a product based company would hire a generalist rather than a specialist.  
   “Do you know R ?”, “No but I can pick it up in a week”. Same with spark etc
3. Ask about expectations from the candidate - “Are you looking for someone with really good SE skills or ML skills ?”
4. When they ask you to prove things if you don’t remember it. You can say “I can google it up and prove it to you in 10 mins”. But you have to do this with extreme confidence. (Either you have to know things or know where to find them, power of google)