

## Week 13

**Name:**

**Mobile:**

### **Personal Development Workouts**

1. Watch the movie “The Imitation Game”.

*Write a short description about this task*

This is a wonderful story that i ever watched because after watching this movie i got lot of Motivations and ideas.i think this is a must watch movie for a programmer because this movie have lot of bug fixing scene.so i really like it .actually this is real story of a engineer named alan turing.this tell about decoding process and war things .any way this is must watch movie for a programmer.

*Link to the folder containing your audio summary*

[https://drive.google.com/file/d/1RTiwG5aYyO3TqfWiJyrdGIVX3Jl\\_Se5w/view?usp=share\\_link](https://drive.google.com/file/d/1RTiwG5aYyO3TqfWiJyrdGIVX3Jl_Se5w/view?usp=share_link)

### **Technical Workouts**

1. Learn about REST Web Services.
2. Have a clear idea about HTTP methods. (GET, POST, PUT etc.)
3. Design the UI of Netflix and connect it to Movie Database APIs (TMDB).

*Write a short description about this task*

REST (Representational State Transfer) is an architectural style that defines a set of constraints to be used for creating web services. RESTful web services are a type of web service that always keep to these constraints.RESTful web services operate on the HTTP protocol and use standard HTTP methods such as GET, POST, PUT, and DELETE to perform CRUD (Create, Read, Update, Delete) operations on

resources.RESTful web services are widely used to build scalable and efficient applications and web apps.

*Write a short description about this task*

HTTP (Hypertext Transfer Protocol) is the protocol used for communication between web servers and clients.http four common and popular operations such as GET, POST, PUT, and DELETE this define as crud operations.GET retrieves the information or data from the server at the specified URL. It is used to request data and does not modify it. POST Sends data to the server to create or update a data at the specified URL. It is used to submit data to the server, such as form data, and can modify the resource.PUT Sends data to the server to update or replace a resource at the specified URL. It is used to update an existing resource with new data.

*Write a short description about this task*

I complete netflix clone .that's very nice one.netflix ui in one of best ui .so i felt small difficulty when i design it.but i overcome it through youtube video tutorials and documentation.finally i Complete it .after complete this project i connect to the TMDB api that's very risky task in this week .after i learn about web requests i can complete it .so i am very happy that for learning web services and rest api's.now i have a clear idea about all thing HTTP methods such as GET, POST, PUT, and DELETE .actually this methods very useful for programmers for connect with web.

*Link to your project's GIT repository*

[https://github.com/suhail9645/netflix\\_clone.git](https://github.com/suhail9645/netflix_clone.git)

### **Data Structure Workouts**

1. Learn what is Data Structure & Algorithm.
2. Learn the basics of Memory Allocation.
3. Learn the concept of Complexity Analysis.  
NB: The complexity of common operations of all data structures should be covered.
4. Learn about Asymptotic analysis (Big-O notation).
5. Learn the concepts of Array. Complete at least three sample workouts
6. Do at least 3 problems each for every structure from any competitive coding websites (Hacker Rank, Code Chef, Leet code, Algo Expert, etc.)
7. Prepare a video presentation on what you have learnt about data structure & algorithms. Record and upload it on youtube as an unlisted video.

*Write a short description about this task*

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*Write a short description about this task*

*Write a short description about this task*

*Link to your presentation video*

### **Miscellaneous Workouts**

1. Practice typing for at least one hour each day. Finish as many chapters as possible as you can. Don't spend more than an hour each day.

2. Prepare a topic for the tech seminar. Record and upload it on youtube as an unlisted video.
3. Conduct a Feedback session by the end of this week.
4. Prepare your progress video for the last week. Record and upload it on youtube as an unlisted video.

*Write a short description about this task*

This is the best enjoyed tasks in this week because i loving typing.and i improved a lot In typing i have 903 stars in typing club.i improve better than past week.i spend more times for typing.because i wish to become a fast typer within six months.thanks for team brototype for suggesting typing club.this task is the favorite task till now every time when i practice typing.i enjoyed it.i complete 285 levels in this week.i complete almost all Common key's. And now i types this description without looking to keyboard.and i proud Of to this totally typing is the most favorite task in this week.

*Link to screenshot image*

[https://drive.google.com/file/d/1R5p9zxCIzduKuZlM2-7PaGyT0ryPDvDV/view?usp=share\\_link](https://drive.google.com/file/d/1R5p9zxCIzduKuZlM2-7PaGyT0ryPDvDV/view?usp=share_link)

*Write a short description about this task*

*Link to your seminar video*

*Link to the document containing notes for your feedback session*

I felt this week is very difficulty non enjoyable but i overcome that.i start my first project. And i completed my tasks.and i read fifty pages of Atomic Habits by James Clear .i learn lot of things in that.and i practice typing.and i improved a lot in typing..i improved a lot in all segments.thanks for brototype team.best and important thing about brototype is the atmosphere.i really like this.and i do two videos one about firebase and one about

improvement of me .and i struggle all of weeks till now but I enjoy the whole thing in brototype.

*Write a short description about this task*

I improved in lots of things after coming brototype.like i improved my coding i learn JavaScript, CSS, html, bootstrap ,dart and Flutter with in six weeks.i am proud of about that.but that was a very difficult process.but now i feel happy.and i improved in communication skills and english.this is a very important thing about me . because i am in under probation but Now i am confident in communication and english.and i improved in typing.now i writes this description without looking to keyboard.i achieve lot things after coming brototype Totally i improved more things thanks for brototype.

*Link to your progress video*

*Link to your progress video*