**Week 10**

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| **Personal Development Workouts** |
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| 1. Watch the movie “Coach Carter” |
| *Write a short description about this task*  “Coach Carter" is an inspiring sports drama film based on the true story of Ken Carter, a  high school basketball coach, and his extraordinary efforts to instill discipline, values,  and academic excellence in his team. Directed by Thomas Carter, the movie explores  themes of education, personal growth, and the power of mentorship. "Coach Carter" is  a compelling and thought-provoking film that showcases the importance of education,  the resilience of the human spirit, and the ability to overcome adversity. It serves as a  reminder that with dedication, discipline, and the right support, individuals can rise  above their circumstances and achieve greatness.  *Link to the folder containing your audio summary*  <https://drive.google.com/file/d/1EsME4BW78ptLE8Zsl5mneJ4f3U1c3_i7/view?usp=drive_link> |

| **Technical Workouts** |
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| 1. This week you are going to start your first project. You are advised to search and find a complete project tutorial in your domain. Complete the tutorial by the end of this week and prepare a presentation on it. Your presentation should explain what you are going to do in the upcoming weeks.    1. NB: Candidates are advised not to start coding. This week is for project planning only. Please finish watching the tutorial carefully and plan your project and presentation accordingly.    2. Refer to some existing websites related to your project and submit the research video.    3. Compare different third party apps like razorpay, paypal etc. 2. Divide your project into modules. 3. Prepare a dated timeline in the module list. 4. Prepare API documentation for your project using postman. 5. Prototype your complete project using any prototyping tool such as “Figma” or XD. 6. Choose admin and user template, do the cleanup and design the database accordingly. 7. Learn basic Git concepts like add, commit, pull, push, stash. |
| *Write a short description about this task*  This week I started my project.It is the first step of my project.I researched a lot of things through the internet and I got an idea about e-commerce. Also i researched how to do an E-commerce project ,what are the important modules required to make an e-commerce project.I selected an e-commerce project that is a footwear online platform. It includes different types of collections and men’s,women's footwear.    *Link to your complete project tutorial*  [*https://youtube.com/playlist?list=PL78sHffDjI75uMmHCqxil\_YROcHl5ONNj*](https://youtube.com/playlist?list=PL78sHffDjI75uMmHCqxil_YROcHl5ONNj) |
| *Write a short description about this task*  I created modules for my e-commerce project . module refers to a self-contained unit  or component that performs a specific function or task within the project. Modules are designed to be independent and reusable,promoting modularity and maintainability in software development. Modules contribute to the organization, structure, reusability, and maintainability of a project by breaking it down into smaller, self-contained units with clear responsibilities and interfaces.  *Link to the document containing your list of modules*  [*https://docs.google.com/document/d/1bgLaLCkcQ-RSDEdo4F3QRpYDEbPVgC1o/edit?usp=drive\_link&ouid=108296974527504580905&rtpof=true&sd=true*](https://docs.google.com/document/d/1bgLaLCkcQ-RSDEdo4F3QRpYDEbPVgC1o/edit?usp=drive_link&ouid=108296974527504580905&rtpof=true&sd=true) |
| *Write a short description about this task*  In this task I created a timeline for my project.I divided my project into different modules.  Each modules are different functionality.And i scheduled time for each modules  in my project.currently i divided into 8 modules with different functionality.I scheduled  1 week for each 2 modules.  *Link to the document containing your timeline of module list*  [*https://docs.google.com/document/d/197xzqFeRJbD7IZn3Vshgew5f3wZPvene/edit?usp=sharing&ouid=108296974527504580905&rtpof=true&sd=true*](https://docs.google.com/document/d/197xzqFeRJbD7IZn3Vshgew5f3wZPvene/edit?usp=sharing&ouid=108296974527504580905&rtpof=true&sd=true) |
| *Write a short description about this task*  An API documentation project refers to the process of creating comprehensive and  user-friendly documentation for an Application Programming Interface (API). The goal  of API documentation is to provide clear and concise instructions, guidelines, and  examples for developers who want to understand and utilize the API. The goal of an  API documentation project is to empower developers to understand, integrate, and  leverage the API effectively. It should provide comprehensive information, clear  examples, and support their development process, ultimately resulting in successful  API integration and usage. I created API documentation for my project.  *Link to the api document of your project*  [*https://drive.google.com/file/d/1-HNILOnskdV0ZKUXxewTXSIyvnTBV7Io/view?usp=sharing*](https://drive.google.com/file/d/1-HNILOnskdV0ZKUXxewTXSIyvnTBV7Io/view?usp=sharing) |
| *Write a short description about this task*  A prototype complete project refers to a project that has gone through the prototyping  phase and has a functional prototype that demonstrates the key features and functionalities  of the final product. Prototyping is an iterative process used in product development to  create a preliminary version of a product or system. For Prototyping I used Figma. Using  Figma i created user website and admin website. Using prototyping tool in figma I created a  flow for my e-commerce project.  *Link to the prototype*  [*https://www.figma.com/file/xnW88X38CaSGA1gnXJfUWb/myproject?type=design&node-id=31%3A4987&t=htpK4Pg1mC4U1hTI-1*](https://www.figma.com/file/xnW88X38CaSGA1gnXJfUWb/myproject?type=design&node-id=31%3A4987&t=htpK4Pg1mC4U1hTI-1) |
| *Write a short description about this task*  Database design is the process of creating a structured and efficient blueprint for organizin and storing data in a database system. It involves defining the logical and physical structure of the database, including tables, relationships, data types, constraints, and indexes.The goal of database design is to ensure that the database can effectively store, retrieve, and manipulate data while maintaining data integrity, accuracy, and performance. A well-designed database provides a foundation for efficient data management and supports the needs of the application or system that interacts with it. I used Moon modeler for creating the database design and used MongoDB database.  *Link to your database design document*  [*https://drive.google.com/file/d/1rO1cZmff3cZZSGwj6Fl-6hOYn1WDBD0x/view?usp=sharing*](https://drive.google.com/file/d/1rO1cZmff3cZZSGwj6Fl-6hOYn1WDBD0x/view?usp=sharing) |
| *Write a short description about this task*  Git is a distributed version control system widely used for tracking changes in source code during software development. It allows multiple developers to collaborate on a project by keeping a record of all modifications made to files, enabling teams to work together efficiently.   * git init: Initializes a new Git repository in a directory. * git clone: Creates a local copy of a remote repository. * git add: Adds files to the staging area, preparing them for a commit. * git commit: Records a snapshot of the changes made to the repository. * git push: Uploads local changes to a remote repository. * git pull: Downloads and incorporates remote changes into the local repository. * git branch: Lists, creates, or deletes branches. |

| **Miscellaneous Workouts** |
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| 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*  Here I practiced my typing skill to improve. Now I am getting more comfortable with my typing speed but still I have to improve its accuracy .I am following a typing club lesson to get practice and improve myself . By doing this practice I can also analyze my typing speed while coding . Now I have reached 173 level and have more to go.For a beginner like me there is a lot to improve and this task will definitely help me to improve myself.  *Link to screenshot image*  [*https://drive.google.com/file/d/1wZukNI0HxmcuPxnWmckKf3vInIkZFo1P/view?usp=sharing*](https://drive.google.com/file/d/1wZukNI0HxmcuPxnWmckKf3vInIkZFo1P/view?usp=sharing) |
| *Write a short description about this task*  I took a seminar video about Internet of Things in this task.I updated in youtube as a unlist  video.It helped to improve my presentation skill and communication skill.It helped to  study different types and new tech related topics.The Internet of Things, commonly referred to as IoT, is a concept that describes the interconnection of physical devices and objects through the internet. It involves the integration of sensors, software, and network connectivity into everyday objects, enabling them to collect and exchange data.  *Link to your seminar video*  [*https://youtu.be/81UEW0ltEYY*](https://youtu.be/81UEW0ltEYY) |
| *Link to the document containing notes for your feedback session*  [*https://docs.google.com/document/d/1WoPeytCso2\_V53vs8zVVCdp9NBUJWeum6ql-WrKEsCw/edit?usp=sharing*](https://docs.google.com/document/d/1WoPeytCso2_V53vs8zVVCdp9NBUJWeum6ql-WrKEsCw/edit?usp=sharing) |
| *Write a short description about this task*  In this week I learned what is ecommerce , what’s the use of ecommerce and how to make  a ecommerce website. By refers some videos and resources I learned the structure of the  ecommerce website. Then I created the designs of ecommerce website by using Figma. I  divided this into users and admin. In users is I created the design actual website and in  admin folder I created admin panel their systems. By the end of the week I learned  complete about what are the things are included in ecommerce website.  *Link to your progress video*  [*https://youtu.be/liMwNnAYF1A*](https://youtu.be/liMwNnAYF1A) |