

## Guidelines for fresh graduates ( CS-F-18 )

Hi Juniors . I hope you all are doing well and enjoying your last days of university. I have a few guidelines for you regarding your career after your BS. I'm gonna share all these because I want to let you know all what I have learned , so that you have a clear roadmap right after your graduation and you don't need to waste your time on asking from people where to go and how to start your career as there is a huge gap between university and industry life. I know I am writing long paragraphs but it's more important than your whole degree so read all and keep in mind that all these points are very important so don't skip any of these . So ,let's start.

### Guidelines regarding career selection :

- First of all you must decide a specific field for yourself as a career  
i-e Web development, Data science , android , Devops , SQA , etc .
- More specific about field  
i-e If you choose web development then which role you want . Web designer , front-end developer , backend developer , full stack developer etc and similarly for other fields.
- After this , choose a Framework or programming language for that role  
i-e If you decide Frontend development then choose Framework i-e Angular , React, Vue etc and if you choose backend then choose programming language i-e python , java , golang etc and similarly in other fields.
- Let me clear this thing for you guys. Only choose MS if you are interested in researching and teaching jobs and you aren't interested in coding or don't want to continue your career in the IT industry. If you are thinking that after MS you will get highly paid job in industry then it's a myth because everyone in industry will give you job on your coding skills not on your MS degree .so if you want to continue your industry career after MS so keep in mind that you have to start with zero and at that time your friends who started their career right after BS will settled in industry with high salary and they will have almost 3 years of experience and on the other end you have to start from zero . so MS sirf tab kro jab research mn jana h ya phd and teaching krni ho . agar MS kr k wapis industry mn aana h tou 3 saal zaya na kro and BS k foran baad industry mn jao aur 6

months ya 1 saal baad MS ka mood h tou yahin pakistan se job k sath sath krlo because field mn aagy ja k almost 4,5 saal baad MS kuch jagah pe aap k kaam aata h promotion k waqt and kisi bari company mn jaany k liye.

- For Girls , If you are afraid of programming and seeking for management side roles , MS or other opportunities , let me tell you one thing, the IT industry has a good ratio of females. Coding is not difficult because in university you have to give time to other subjects so you don't have much time for programming but after graduation you have enough time for programming and you can do it easily . A lot of females are programmers, In fact my backed team lead is also a female . Moreover , the IT industry doesn't only have coding fields . here is few possible non-coding fields for you so just explore these fields before going to quit the CS field
- SQA (Software quality testing )
- UI/UX Designer .
- Graphics and Animation
- Digital Marketing
- SEO
- Data analyst and many more .

## **Guidelines regarding LinkedIn**

- After choosing a specific field , now it's time to create a LinkedIn account and build your profile i-e bio , education , skills , courses and achievement etc ( you can check profiles of seniors , anyone on linkedin for sample or watch tutorials )
  - Creating linkedin is not enough , the most important thing is to make connections ( like friends on facebook but its professional people ) and connect with 2 types of people .( Must )
1. Send connection request to people from your field that you choose ( because they know technical knowledge that you need and also share jobs and opportunities ) and check their profiles to see information regarding what skills and courses they have so you must develop those skills and explore those courses .Explore linkedin and its features and search how to send requests to people mentioned below.
  2. Send connection request to Technical recruiter / HR manager ( They are regularly posting jobs and finding people so you should add them to get opportunities )

- Now the question is how do you find these 2 types of people so just go to your connections tab on linkedin and you will see many people's suggestions with their profile pic , name and designation. So, check designation and only send requests to those who have the designation mentioned above . (your field related and HR / Technical recruiters )
- Spend 30 minutes daily on linkedin and send 50 requests daily to these people and make 1000 - 2000 connections before your graduation .It's very necessary because Connections will bring opportunities for you .

And one more thing related to linkedin , agar aap kisi ki profile view krty ho tou usy notification jata h isliye boys zara dhayan se xD

### **Guidelines regarding roadmap, courses and projects :**

- Next step is to find a senior from your field ( through linkedin or your social circle ) and ask them for a roadmap , courses and skills and follow that roadmap. You can also find a roadmap on the internet if you don't have any seniors for guidance.
- Start 1,2 courses in your field from coursera , Udemy , Udacity or youtube channels  
( Following youtube channels will help you :  
<https://www.youtube.com/c/Freecodecamp/playlists>  
<https://www.youtube.com/c/TraversyMedia/playlists>  
<https://www.youtube.com/c/Academind/playlists>  
<https://www.youtube.com/c/TheNetNinja/playlists>  
<https://www.youtube.com/c/ThapaTechnical/playlists>  
<https://www.youtube.com/c/programmingwithmosh/playlists>  
<https://www.youtube.com/c/HiteshChoudharydotcom/playlists>  
<https://www.youtube.com/c/AutomationStepByStep/playlists> (SQA)  
<https://www.youtube.com/user/shindevijaykr/playlists> (SQA)  
<https://www.youtube.com/c/joshstarmar/playlists> ( Data science )  
<https://www.youtube.com/c/Coreyms/playlists> ( Data science )

).

- Udemy courses are paid but you can find that course through torrent for free but always check the outline and match with that Udemy or Coursera course to get an updated course. Be smart .
- Coursera also have paid courses but you have option of Financial Aid and you can send an application for free course but remember , that application will take 15 days for approval so you have to send application right after you decided your field and Keep Busy with your project and youtube channels and after 15 days you can start with your course and after completion of course make your project as you got many new things from that course.
- Next step is to make projects through courses and tutorials . dont copy paste code from courses or tutorials but write all code by yourself because it will impact on your learning . copy paste se us time project tou krlogy lkn learning ni hogi aur kch din baad sb zehn se nikal jaye ga and koi aur different type ka project ayega tou aap wo ni kr paogy so focused ho k smjh k khud krna project because is se aap ka aagy ka career decide hona and interview mn unahin pta chal jata h k aap ne khud kitna project kiya h aur net se kitna uthaya tou nuqsan ya faida sirf aapka h kisi aur ka ni so be sincere with you .
- Upload that project on github (must). Watch the tutorial on how to push code to github. Github k bgair aap ko programmer maana hi ni jata isliye its most important. Sharing that github project link in your resume will boost your selection .
- Deploy your project somewhere on internet .its a plus point not necessary (check tutorials how to deploy project for free on netlify , vercel , heroku etc )

Moreover , apna FYP khud bnain . Interview mn degree se zyada FYP ka pocha jata h aur jo apna FYP khud bnaye uski job surety zyada hoti h .

### **Guidelines regarding CV and Cover Letter :**

#### **For CV :**

Make your resume on canva or novoresume and update your resume with following details . (I have also attached a CV sample for you kindly check and make CV according to that )

- Your CV must have basic info  
i-e name , designation for applying , contact no , email , github account link , linkedin account link . No more info of house no , CNIC , nationality or other stuff.
- Professional skills : add skills relevant to the field . If you are applying for web development then all the skills must match with web development .  
Now how do you know about skills of relevant field so dont worry just go to linkedin profiles of people from your field and check their skills . search that skill on google just to make sure that skill is relevant to your field and watch a tutorial on that skill then write that skill on you CV . because aik you ye k us bandy ne kabhi kabhi apni field k elawa bhi skills likhi hoti hn tou cross check ho jaye ga k aap ki field ki skill konsi h for example agr aap web development k liye apply krrhy ho tou agar us bandy ne android likhi h you aap ko pta h wo seperate field ki skill h tou dont write that skill and secondly jo skills likho gy interview mn us se related question kiye jaaty hn tou aesty hi koi skill na likhna . and no need to write skills like microsoft office etc but you can add team member , communication , management etc skills if you don't have much skills of your field. And remember skills mn jo likho gy wo interview mn pochaingy bhi tou isliye wohi likho jo achy se aata h aur jo likho tou phr usy achy se kr k jao bcz ye cheez boht matter krti h so zyada skills k chakar mn wo skills na likh dena jis k question pochain you aata na ho . skill section boht important h isliye itna detail mn guide kiya mn ne .
- Add Projects info with project title , description and github link . ( You must have minimum 2 projects of your field posted on GitHub and CV )
- Courses names that you have completed from Coursera or Udemy or youtube channel )
- Add LinkedIn URL , GitHub URL in your CV (must ) .

Following are the online sites for CV having many templates . check it out

<https://www.canva.com/>

<https://novoresume.com/>

I am attaching the CV for a sample . you can use any template from above mentioned links but you must have all the sections with your information in your CV that sample CV have .

# YOUR NAME

## SOFTWARE ENGINEER

BSCS | MOBILE NUMBER

### PROFESSIONAL SKILLS

- ReactJS
- NextJS
- Redux
- Redux Thunk
- Hooks
- JavaScript (ES6)
- REST APIs
- GraphQL
- Git | GitHub
- Mui
- Bootstrap
- HTML/CSS

### PROFESSIONAL COURSES

- Coursera - Front-End Web Development with React
- Udemy - The Complete JavaScript Course by Jonas Schmedtmann
- Udemy - Bootstrap 4 from Scratch with 5 projects

### CONTACT

mobile number

email@gmail.com

<https://www.linkedin.com/your-profile>

<https://github.com/your-profile>

### PROFILE

A Software Engineer who is Extremely motivated in creating and executing innovative software solutions in the fast-paced, deadline-driven environment as a team member to steer timely project competition within budgetary constraints to enhance business productivity.

### EXPERIENCE AND PROJECTS

#### REACTJS INTERN

company name | Aug 2021 - Nov 2021

- React | Hooks | REST APIs | JavaScript (ES6+)
- Worked with a Professional team
- Professionally Managed Daily Tasks

#### TIME MANAGEMENT SYSTEM ( REACT.JS )

<https://github.com/your-profile> ( github link of project )

it is about using the amount of time allocated to a project wisely in order to meet scheduled deliverables and conclude all work by or before the project completion date.

- Admin Actions: CRUD Managers and Users.
- Manager Actions: CRUD Users
- Regular Users Actions: CRUD Logs
- React | Redux | Thunk | Axios | Bootstrap | Router

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### EXTRA CURRICULAR AWARDS

#### DESIGNATION

society

#### DESIGNATION

event

#### DESIGNATION

event

### EDUCATION

#### BACHELOR OF COMPUTER SCIENCE

Air University | 2018-2022

## For Cover Letter :

- Must send a cover letter along with your CV . I am attaching it below for proper guidance on how to write a cover letter.
- Cover letter mn company and apna dono ka btana hota tou har jagah apply krny k liye cover letter ko us company and job title k lehaz se update krna parhta h so remember it before applying.

Name

Email id

Phone number

November 22, 2021

Human Resource Department

company name

Islamabad (company's office location)

Respected Sir/Madam,

As a long-term admirer of the work done by the team at (company name), I'm delighted to submit my application for (job title). As a recent graduate from the University of Rochester with a B.S. in Computer Science, I'm confident that my knowledge of Linux systems, experience in backend coding, and precise attention to detail would make me an asset to the team at Mayflower.

In my former role as a student worker at the University of Rochester's Technical Services department, I was responsible for troubleshooting a variety of technical issues for staff, assisting with server maintenance, and installing a wide range of equipment. While employed there, I assisted in the development and rollout of new department practices and helped improve our ticket response time by 12%. I'm sure that this experience will help me pick up new skills and quickly excel as a technician at Mayflower.

I also understand that Mayflower is seeking to expand its cloud computing services. While at the University of Rochester, I specialized in and completed my thesis on cloud computing. The IT technician position at Mayflower would be an exciting opportunity for me to bring my educational background to the table, and learn more about a growing industry.

I've attached my resume, which further details my skills and educational background. Please don't hesitate to reach out if you have any questions about my background. I look forward to the opportunity to speak with you further; thank you for your time and consideration.

**Best regards,**

Name

## Guidelines regarding Job Finding:

- Create an account on Indeed and [jobee.pk](http://jobee.pk) . Create a profile and update with your skills and also upload your CV and switch ON the job Alert of your field and also daily check the jobs posting on them .
- There is a jobs section on linkedIn . go and switch on the daily job alerts and daily check that alerts .
- Daily spend time on linkedin and send connections to HR and people from your field and daily scroll the linkedin for 30 minutes and you will see the jobs and opportunities shared by people .
- I am sending you a list of 100+ software houses. You have to search them on LinkedIn and go to the people section of that software house account and send connection requests to their Recruiters, HR managers and people from your field of that software house .and also check the companies or HR's email from website or linkedin account and send CV and cover letter to them with proper subject and message

**Subject** : role of Job

**Message** :

Respected HR !

Kindly look towards the attached Resume for your consideration. It will be a pleasure for me to work with experienced developers through your well-reputed Organization.

I am looking forward to hearing from you

Regards

Name

Mobile number

## Guidelines regarding Interview :

- Revise OOP , Data structure , Algorithm and Software engineering because interviewers always asked questions from these . ( Must do this ) .  
Moreover , before going to an interview you must google about interview questions of your specific field and check 3,4 websites, practice those questions and create a word file of commonly asked questions and update that file after



every interview because it will help you in the next interview because mostly questions are repeated everywhere .

- Last tip : zyada se zyada interviews do beshak 1 Saal Ka experience manga hua . Har jagah apply kro har jagah interview do because interview se best learning Hoti next interview ki Tou bjaye ye sochny k mjhy wo ni rkhai gy har interview do . 4,5 interview baad apko mehsos Hoga k aap ko answer krna agya h pta chal gya h mostly kya questions pochty hn Tou next interview pehly se behtar Hoga . I am again saying Jo zyada interviews dega us ki Achi job k zyada chances hoty hn . Aur jis field mn ja rhy YouTube pe mock interviews pe Dekh Lena us k idea ho jata h and remember theory and coding dono se questions hoty hn so coding k choty choty challenges net se practice kr k jana.

### **Last Important Tip :**

Jo tips share ki hn is pe degree k complete hony se pehly amal krna and final papers se pehly interviews dena start krdena . abhi mids ho gaye hn aap k abhi FYP pe dhyan do aur sath sath ye cheezain phr final se pehly interviews do and degree and gpa ki tension kam krdo aur degree jo thora kam time do aur in cheezoun ko zyada time do because degree ko jitna time dena tha de diya 4 saal mn ab aik semester se kch faraq ni aprhna lkn career ko time deny se boht faraq parhy ga because is mn aapka faida h. GPA ki tesnion choro hamari field mn GPA ni dekha jata aap ki skills dekhi jati hn so jitna gpa agya h bus thek h ab focus kro skills pe . aik student degree k baad sochy ga usy kya krna phr wo field select kry ga phr wo courses kry ga phr apply kry ga is mn us k 1,2 months lag jaany you agar aap degree se pehly hi ye sb krlogy tou aap ko foran job mil jaye gi because kafi students us time career decide krrhy hongy aur aap unki jagah interviews de rhy hogy so its your choice k aapko degree k baad baqion ki tarhan rulna h courses and career mn aur 1,2 months zaya krny hn ya pehly se sb kr k job milny k chances zyada krny hn . its your choice and remember choice makes a career .Beside All these efforts you must have faith in Allah and keep praying . Put your efforts and trust the process. This is the best time to cash your skills to start a good career .If you have any query related to your career or field you can ask.

## **List of software houses :**

You have to search all of them on LinkedIn , follow , create job alert for that company and go to the people section of that software house account and send connection requests to their Recruiters, HR managers and people from your field of that software house and also check the companies or HR's email from website or linkedin account and send CV and cover letter to them with proper subject and message

System limited  
Contour software  
Terradeta  
IBM  
Ibex Pakistan  
i2c Inc  
Techlogix  
Synavos  
Tekxel  
Clustox  
Alchisoft  
Elixir  
Renesis Tech  
RainSoft Financials  
Keeptruckin  
NextBridge  
Innovative Pvt limited  
xiQ, Inc  
Synergy-IT  
Confiz  
Afiniti  
MTBC  
Retailo technologies  
BellMedex  
EMUMBA  
Arbisoft  
Netsol  
Convo

Folio3  
Programmes Force  
Strategic system international  
CureMD  
BlueEast ltd  
EMPG labs .  
10pearls  
Gaditek  
Devsinc  
GoSaaS Inc  
Iplex  
Wiseman innovation  
KALSOFIT  
Zepto systems limited  
Saviours  
Sectern technology  
ABTACH ltd  
Ovex Technologies  
Salsoft technologies  
Tower technologies Ltd  
Tech Nation  
Coding pixels  
Cintyx  
VQode  
Gnowit inc  
Amaxza sigital inc  
RAREIIO  
Micro agility sevices (pvt ltd)  
Golpik inc  
Elit square  
Creative dots  
Moby logix  
IRIL lot lab  
Soft tech media  
SDsol technoligy pvt ltd  
Wisdom IT sol LLC  
TSL private ltd  
Ecom solution  
Aquila.360 pvt ltd

Devhike  
Arkitech  
Shop Dev pvt ltd  
FiveRivers technology  
Datics AI  
Evamp & Saanga  
Crymzee Network  
EMumba  
Green Origin  
KComputer Pvt Ltd.  
Leap Rides LLC  
Cybersoft  
Viztec  
Centagle  
Rubiks Tech  
Instep  
Locopixel Pvt Ltd  
Upgenics International  
Mikaels Labs  
Panacloud  
Digital Dividend  
Kwanso  
VentureDive  
Codenvoi  
Grouper logic  
Kalsym Systems  
Histone Solutions  
TekNords Inc.  
uConnect Tech  
Soliton Tech  
Ninesol  
MobileLIVE Inc.  
PureLogics  
Novatore Solutions  
Expertizo  
Zepto Systems Limited  
Likastic  
CyTech Solutions pvt. Ltd  
ITSec pvt. Ltd

Xorlogics  
DPL  
Xeeonix Tech  
DatumSquare IT Services  
Infomist Services  
Net Tech  
Nested Logics Inc.  
Techverx  
QuellxCode  
Rockville Tech  
Arctern digital  
Vodworks  
AlgoRepublic  
Engin Tech  
Softbeats pvt Ltd  
Tecnogat  
DigitalSofts pvt Ltd.  
Novatore solutions  
Binex Solutions  
DeltaLab  
MicroMerger  
TimeXperts Pvt. Ltd  
AppBaker  
Alisons Technology  
Croem pakistan pvt ltd  
Rapidev

best wishes ✨

Regards  
Abdullah ( Fall-16 )