

③ why masters?

I wish to pursue my career in Computer Science field ahead but I could not learn courses related to it during undergraduate education. A master's degree program will allow me to gain technical knowledge and skills related to my interests and help me advance my career tremendously.

I want to enhance my skills in courses which I could not able to learn in depth from my bachelors. Masters will help me to gain <sup>to</sup> greater <sup>technical & practical</sup> knowledge in these courses and helps me to ~~advance~~ enhance my career.

## Work experience.

Date / /

④ What are your roles and responsibilities in your company.

Role :- Assistant System Engineer ~~Trainee~~ (15 months)

I <sup>started</sup> currently working at TCS right after my graduation i.e., <sup>in</sup> July 2021 as Assistant system engineer ~~Trainee~~.

I work for "Nestle" project. my role in the project is IT consultant (SAP APO functional consultant).

I'm working on the Nestle project where in we are required to provide backend support to the clients. my daily role requires me to resolve the disturbances that occur during the production system.

The modules that I work on are Demand planning, Supply Network planning and production planning and Detailed scheduling.

Eg:- CCR check.

⇒ I started working at tcs right after my graduation as Assistant System engineer. for a client called "Nestle". my daily role requires me to provide backend support to the clients. we resolve the disturbances that occur in the production system.

we use SAP - APO module.

SAP ⇒ systems, Applications and products in data processing.

APO ⇒ Advanced planning and optimization

⑤ what is your career goal?

my long term goal is , to initiate one start-up after coming back from the USA once my master's is done.

⑥ How long will you stay in us?

I'll stay in us till completion of master's and return back to India.

⑦ why this course?

As I had 16 years of experience in software field, I got to know that I want to improve myself and improve my knowledge over computer science. And by doing master's I can get good command over my subjects.



## ⑦ Funding.

I have secured a educational loan ~~of~~ from ~~leap finance~~ of amount \_\_\_\_\_ which covers my whole ~~₹20~~<sup>₹20</sup> amount. Additionally, my mother is ~~having~~ sponsoring ~~my education~~ with the savings of \_\_\_\_\_ lakhs. Also we have immovable assets ~~of~~ ~~us~~ worth \_\_\_\_\_.

## ⑧ Sponsors why you want to do master's

### ⑨ Tell me about the course

### ⑩ what is your specialisation in Computer Science.

→ I have opted for general computer science and ~~unma~~ curriculum gives me full stack exposure and covers my area of interest like ML, AI and IOT.

### ⑪ what are the subjects you're going to enroll in your first semester?

→ IOT Security and Privacy  
→ Advanced database systems  
→ Machine learning.

AI, Topics in Computer Science, Algorithms, OS-I, OS-II, computer graphics.

- ⑫ what is lowell famous for?
- ⑬ How do you manage cultural and traditional differences at US?
- ⑭ what is SAP, APD ?
- ⑮ what are the core modules.
  - ↳ 30 credits (Total)
  - 
  -
- ⑯ where will you stay in us.  
university accommodation.
- ⑰ How are you planning to repay your loan.
- ⑱ what is machine learning / AI / IoT / database - etc.
- ⑲ why not other clegs?
- ⑳ why only Umaru Lowell.
- ㉑ How did you come to know about the univ?

why US?

tell me College?

① why US?

I'm going to US to pursue my Master's in Computer Science from University of Massachusetts Lowell. According to my research, US education is 6 <sup>years ahead</sup> ~~times~~ better than world's education. <sup>there are</sup> US is one (of the best countries in which) many reputed universities are present. On top of that, Master's degree from US has a great demand in my country and definitely adds value to my profile ~~when~~ I ~~come back~~ to India after completion of the course, which helps me to achieve my long term career goal i.e., Senior Software developer.

which definitely helps me to enhance my career in that helps me to <sup>Indian</sup> achieve my long term career goal i.e., Sr S/W developer.

② why University Lowell?

Not only <sup>US have top</sup> universities, it <sup>also</sup> provides top-notch trainings and education.



③ why master's.

I want to enhance my skills <sup>in depth</sup> in courses which I could not able to learn, from undergraduate. master's will help me to gain both theoretical and practical knowledge which helps me to enhance my career.

④ why master's even though you have a job in India?

(or)  
why you want to to master's now, since you are working?

→ I have been per in functional support project for the past 16 years. I have been limited to support projects. I would like to enhance my skills and want to work as a developer. In order to achieve that, a master's degree from us will add more weightage to my profile and career in India.

⑤ what are the core modules.

core

- ↳ Operating systems
- ↳ computer architecture ✓
- ↳ Design of programming languages ✓
- ↳ Algorithms ✓
- ↳ Database ✓
- ↳ Natural language processing.

electives :-

- human robotic interaction
- machine learning
- Artificial intelligence
- human computer interaction
- Deep learning
- computer & network security

-I

faculty holds publications at international level.  
top 200

Date / /

⑥ How are you planning to repay your loan.

⑦ why Computer Science. / I was very Passionated about software field since my high school. <sup>As I</sup> I have done my bachelors in Information technology and since I've been working in a software field in order to excel I always passionate about courses like Robotics, OS, database etc.

⑧ why Umass Lowell?

theoretical knowledge (✓)  
practical knowledge (x)  
univ offers extensive

I chose Umass Lowell because the course curriculum is flexible which matches my area of interest relevant to work experience. Course Curriculum is structured in such a way that it covers all my essential skills which helps me to enhance and also my skills and also I can be able to learn new technologies like AI, ML.

By learning these <sup>combined</sup> skills, this will help me to By learning these combined skills, which is having great demand in India which will help me to achieve my goal as a senior software developer.

Recently I have joined a webinar conducted by university and interacted with professor Matteo <sup>cimini</sup> regarding design of programming languages. He is also offering students to be part of his research. I am excited to work under him to improve my skills.

→ Rich miner.

Design of programming languages: This course includes the methods for designing and documenting methods and procedures in software.



machine learning:- (It is a type of AI that allows sw applications to become more accurate at predicting outcomes, without being)

→ It is a technology which is used to make predictions using historical data or information. (eg:- Image recognition).

Artificial intelligence:-

man-made thinking power.

→ It is a branch of computer science by which we can create intelligent machines which can behave like human.

Eg:- Apple's Siri, Alexa (Amazon)

SAP:-

↳ Systems, Applications and products in data processing.

↳ SAP is a software which connects all the departments in an organization. The data gets automatically updated in one department when we change in other department.

APD:- Advanced planning and optimization.

which helps an organization to manage its supply chain

Process and mto.

↳ SAP APD has primarily 4 modules DP, SNP (Supply chain planning) & GATP (Global Available to promise). PPDS (Production planning and detail scheduling) &

⑧ why Umas Lowell?

I chose Umas Lowell because the course curriculum is very flexible which matches my area of interest. Also, <sup>this</sup> university allows students to work on research projects supported by industry and field comp such as the one that created 'Rover Hawk' robot that won first place at a NASA Competition.

Recently, I have joined a webinar conducted by university and interacted with professor Matteo Cimini regarding design of programming languages. He is also offering students to be part of his research. I am very excited to work with him.

\* programming languages, concurrent programming

↳ it is a computer programming in which multiple processes are being executed during a period of time.

→ One of the former students at Umas Lowell who cofounded Android is Rich Miner. This increases my interest in that university.

IOT:- IOT is an advanced automation and analytics system which means accessing and controlling daily usable equipments and devices using internet.

SAP ABAP:- Advanced business application programming.

ABAP is a programming language developed by SAP for the development of business applications in the SAP environment.



⑨ why are you planning to continue your education?

Almost from the last 5 years, there is a huge demand of ~~new~~ age software professionals in India. I need to improve my skill set in order to learn new technologies and keep up with the competition, and getting a master's degree will help me do that.

⑩ How much is your tuition fee?

As per my IDG  
my tuition fee is 48,849 dollars including living expenses for 9 months.

31,053  
(tuition)

17,796  
(living)

⇒ 40,69,036

2534770 1452638

⑪ what's your plan after ms?

After completion of my master's, I'll come back to my home country and I look for a job in product based companies and want to pursue my career as a full-time senior software developer.

⑫ How do you repay your loan?

After my grad, I will be placed in top product based companies with a package of 30-35 lakhs, with the help of my salary I'll repay my loan. If anything goes wrong my family is always there to support me and we are having assets worth 3-4 crore.



{work order}

Rover Hawk about

got it

Date 5.7

which can be liquidate anytime.

⑬ Do you work for CPT?

If I get good opportunity, I'll definitely use this which will help me to get good job in my home country.

Practical  
CPT:- Curricular ~~particular~~ Training. (✓)

OPT:- Optional practical Training. (X)

✱  
⑭ why do you have backlog in UG?

I have backlog in Digital logic design which is not my core subject. Till then I <sup>was</sup> only concentrating on core subjects, but later I realised and concentrated on all the subjects.

⑮ why you have less scores in GRE / IELTS?

⑯ what does your sponsor do for living? (₹20)

my mother is into <sup>active</sup> business which is viban innerwears distribution in my hometown. \* she also owns 3 acres of green chili. ✓

my paternal uncle is a production manager at Sudhakar pipes private limited. His annual income is 12 lakhs.

⑰ where do you plan to be 5 years from now?

i'll be settled in a good product based company like Google in my home country as Senior Software developer.

⑮ why did you leave the job as it gives you a good pay?

while working for 18 years, I realized that I'm not getting <sup>enough</sup> exposure in the field I am interested in hence I decided to pursue Masters.

⑯ why not in India?

US education is more practical oriented and offers more course flexibility compared to other countries.

⑰ why Umas Lowell, not others?

Because the curriculum here provides the perfect blend for both technical and analytical skills and this is exactly what I was looking for. Moreover it has a comprehensive coursework which covers advanced concepts of what I'm interested in (ML, Robotics --etc).

⇒ Core ⇒ 12 credits (4 subj)

Electives ⇒ 18 Credits (6 subj)

Human interaction with computer  
Advanced Networking

18  
12  
—  
30



16 months  
work experience.

Date / /

→ I chose Anna Lowell because the course curriculum is very flexible which matches my area of interest.

This university allows students to participate in the research projects which includes in the curriculum. By doing this, I can get full exposure to the courses which I'm interested in.

Recently, I have joined the webinar conducted by the university. I have interacted with Matteo Cimini regarding digital design of programming languages. He is offering students to be part of his research. I am very excited to work under him.

what is IOT?  
UG Project.

what SAP  
what is APO?

family saving  
loan  
- assets  
anytime

what if I reject

I meet all the requirements academically and financially.  
I'll answer

why should I approve you?

→ As my background is in CS

what's your

→ Course curriculum

my course curriculum consists of 30 credits in which 12 credits are for core subjects and 18 credits are for electives.



~~I chose~~

I chose Umas Lowell because the course curriculum <sup>align with my</sup> is very flexible which matches ~~my area of interest~~ <sup>on top of</sup> ~~Not only~~ that, university offers students to participate ~~to~~ in the research projects which includes in the curriculum. <sup>along with the theoretical learning</sup> ~~working on~~ Having hands-on experience, while im in university allows me to develop my talents skills more effectively.

Recently I have joined a webinar conducted by the university. I have interacted with professor Matteo Cimini who is doing his research on design of programming languages. He is offering students ~~to~~ be part of his research. This is ~~what~~ <sup>what</sup> I'm looking for. ~~exactly~~ working under him will improve ~~exactly~~ my skill set.

⇒ Umas Lowell successfully launched a 'planet-finding telescope' to the edge of atmosphere from a NASA facility in <sup>New Mexico</sup>

→ This university involved in advanced technologies <sup>14 foot long 1500 pounds telescope and it</sup> get ~~expos~~ that kind of exposure.

↓  
Human interaction with computer,  
Advanced networking.

→ Credits will be given for research done under professor.

about college  
Tell me why this course  
why USA  
why this uni?

② why computer science?

From my high school, I was very passionate about computer subjects. From that passion, I have done my bachelors in computer ~~sci~~ information technology and my interest towards it increased even more.

③ why did you apply only for 4 universities?

I have searched about the universities online and attended the virtual fairs and shortlisted them based on course curriculum which suits best for my profile.

I found these universities.

④ what if I reject you?

I don't know where I went wrong, I met all the requirements and I've followed all the rules. I have sufficient funds to fund my master's and I'll get a good career in India <sup>after</sup> ~~if~~ completing master's. And if the visa gets rejected, I'll evaluate where I went wrong and reapply again after correcting them.

⑤ why should I approve your visa?

I followed all the ~~require~~ rules and have sufficient funds to pursue master's. I want to do my master's to achieve my future goal when I come back to India after com  
as s/w developer in India



(25) V.G project

→ Detection of helmet and license plate. recognition.

→ I worked on a project called detection of helmet and license plate using Convolutional Neural N/w, which is used for image or object identification.

First stage :- YOLO v<sub>3</sub> (you only look once) (motorcycle riders are detected)

Second stage :- helmet detection using CNN.

→ If some one not wearing helmet, then license plate was detected using Optical character Recognition.

→ SAP → SAP stands for ~~system~~ systems, Applications & products in data processing.

→ It is a software which connects all the departments in an organization. If we update data in one ~~organization~~ department, automatically data will change in other departments.

(26) Tell me about course curriculum.

Master in CS at Umas Lowell is having 30 credits in which 12 credits for core modules and remaining 18 credits for electives.



→ Tell me about your college?

→ How work<sup>exp</sup> related to master's

→ why do you have less scores in GRE/IELTS?

→ CNN

→ why this university?

~~As I am working as an Assistant system Engineer~~  
~~the I-course~~

I chose UMass Lowell because the course curriculum is designed in such a way that it covers all essential skills <sup>(database & pos)</sup> and also trending technologies like (ML, AI, IoT...). Learning these skills in practical case study manner will strengthen my profile and skills which helps me to achieve future goal as senior software developer.

I would like to work under professor <sup>Haim Leshkowitz</sup> ~~Matteo Cimatti~~ who is doing his research in Design of programming languages in UMass Lowell.

AI & ML & visualization techniques

I am interested in his publication (role of visualization in Tele-rehabilitation)

I chose Umass Lowell because the course curriculum is designed in such a way that covers all ~~my~~ essential skills like database, operating system and also trending technologies like AI, ML, IOT.

This university offers to be work on research projects. Learning these skills along with some practical knowledge will strengthen my profile which helps me to achieve my future goal as senior software developer ~~aim~~ when I come back to India.

I would like to work under professor Haim Levkowitz who is doing his research in AI, ML & visualization techniques.

Haim Levkowitz :- Publication

Role of visualisation in tele-rehabilitation.

⇒ Continuous monitoring of a person's physical activity and movement data remotely.



(x<sup>1</sup>)  
 B.tech  $\rightarrow$  26<sup>th</sup> July ~~2017~~ 2021  
 (out) Intu  $\rightarrow$  16 April 2017  
 (Q3) SSC  $\rightarrow$  26 May 2015

} GRE  $\rightarrow$  151 (verbal)  
 159 (quant)  
 2.5 (AWA)

16 months  $\rightarrow$  work experience.

IELTS  $\rightarrow$  6.5

- 1) University of Massachusetts Lowell
- 2) Arizona state university
- 3) University of South Florida
- 4) University of Central Missouri.

HCI  $\rightarrow$  It is a study of how people interact with computers.  
 HRI  $\rightarrow$  Study of interactions b/w humans and robots.

\* With the <sup>help of</sup> skills or courses I learnt in my master's, I'll apply for jobs in India. I'll pursue my career as a software developer in product based companies.

$\rightarrow$  My mother is into clothing business and she owns 3 acres of agriculture land which she leases to other farmers.  
 Cotton.