UP THE LADDER
CS-301

●●●

- Rahul Poddar (U101116FCS097) S-4
- Piyush Singhania (U101116FCS282) S-4
- Anubhav Paul (U101116FCS012) S-1
- Jatin Gupta (U101116FCS052) S-3

Project Description

Up The Ladder is a unique platform for enthusiastic undergraduates and working professionals. The vision is to help everyone grow into whatever they want to be, the idea is to help people answer the question "Where do you see yourself in the next 5 years?".

Up The Ladder, unlike any other career growth support platforms provide the user a customized roadmap to their dream profession irrespective of which discipline a user might belong to. No existing platform allows the user to set their goal and help them reach it starting from scratch, all existing platforms come with a set of pre-requisites which are expected to be fulfilled by the user however the main issue being no instructions are provided as to how one is expected to fit perfectly into the list of prerequisites.

Project Description

The idea for Up The Ladder came from the modern day plight of skill development and lack of a robust roadmap which would instruct and depict the stages. The idea is to further widen the base of education and encourage the enthusiasts to reach expertise in fields of their choice. Up The Ladder unlike any other platform creates a custom roadmap so user friendly that even a layman with a knack in learning can use it to gain expertise in a field of choice.

Potential Customers

1.   Self-employed persons looking to elevate their enterprise to the next level.

2.   Full-time and part time employees seeking the right path for them and their careers.

3.   Freelancers and independent contractors looking to make a switch in their careers.

4.   Undergraduate and Post-Graduate students seeking counsel and advice for their careers.

5.   Parents looking for career guidance for their respective children/wards.

6.   Companies who are looking to carry out training programs for their employees.

Novelty and Creation of Value

True, there already exist a wide variety of promising career development tools in the market but while they serve different purposes and full well in most cases, they all fail to deliver at one standpoint: **Helping people make an informed decision.**

Creation of Value:
1. With India's growing active and participating workforce in technical, semi-technical, business and humanities fields, there is an increasing need to build a smart tool connecting industry enthusiasts with industry experts.
We have created value by creating a unique platform by providing our customers with detailed career development progression in various fields - **encompassing what the career stream entails, skills (technical and soft) required to become an expert, competitive exams required, educational skills required, average salaries for different positions and future of career stream.**

Novelty and Creation of Value

2. Our service is the first platform that serves as a one-stop shop for students, teachers, budding entrepreneurs, existing independent contractors and employees to discover the different financial, social and personal features of industries, recent trends and career development. Unlike LinkedIn and other career development services, Up the Ladder will hope to be India's most informative career development tool.

3. We believe one of our biggest selling points is that we cater to people of all ages, occupations, interests and motives. While other career development tools focus on just a particular particular strata of customers and professionals, our service can be used not only for career planning (for working people) but also for educational (for students) and research purposes (technicians and engineers).

Sophistication Value of Project

- **It requires an upfront investment of time and effort:** During the early phases we had to devote a huge amount of time developing and nurturing the idea. It also took us a lot of time to verify our idea and to find its potential in real time. Since this project had to be completed simultaneously with other projects, it required dedicated time and effort from all the team members.

- **You don't have the right skills:** Learning the tools and different coding languages in a given stipulated time was a very difficult job.Understanding the concepts of coding metrics,sequence diagram,use case diagram,etc and developing those diagrams using online tools like creately,lucidchart required a lot of efforts. In the process, we also had to acquaint ourselves with tools like LucidChart, Draw, Creately, etc. which was a challenge in itself.

Sophistication Value of Project

- **Some people think that the project idea is vague:** The value is in the disciplined utilization of sound, consistent processes. In our case, on the onset, Up the Ladder looks similar to LinkedIn in terms of working and application. However, not only does it do what LinkedIn does but it also provides an integrated career development platform for industry experts and enthusiasts alike.

- **The business environment changes as you work:** The realities of global competition and rapid technological change are particularly visible in IT and software development. This contributes to the volatility of our project's goals and operating constraints. Everything can be made obsolete in an instant — and it's hard to pivot late in the process. Keeping this in mind, we will have real time assessment of the market and accordingly we will be changing the information present on our website to avoid misleading our users.

Sophistication Value of Project

- **The problem and solution are often not well understood:** When a solution to a problem was well understood, it got captured in a framework.It got hard when the focus shifted to create more complex, less well-understood things using common tools.
The problem that we face with a growing economy is that there are too many students, job aspirants and even working employees who do/did not have enough information about the job market, work environment, salary package and future of career stream to make an informed decision. Up the Ladder solves this problem by providing a complete package covering what the career stream entails, skills (technical and soft) required to become an expert, competitive exams required, educational skills required, average salaries for different positions and future of career stream.

Customer Scenarios

Scenario 1

An undergraduate in Computer Science in her 1st semester wants to become a cyber security expert but has no clue as to how to go about it. Any online portal she visits provides her with a huge list of prerequisites which she has no clue as to how to fulfill, Up The Ladder provides instruction and course details to fulfill the prerequisites and then provides further details and approaches to help her reach her goal as a cyber security expert.

Customer Scenarios

Scenario 2
A high school teacher wants to educate the students of her class regarding the career prospects. Considering the cut-throat competition in the modern economy, it is important to enlighten the students about future jobs and give them enough information to make an informed decision. The teacher can help the students in doing so by enrolling all the students on our web app and helping them see the various career streams and everything that comes with them.

Customer Scenarios

Scenario 3

A recently passed out post graduate student with a degree of Business Management who has a ground-breaking idea for his startup and needs to further pursue on that idea. He/She can sign up on our web app and get all the information and resources required to run a successful start-up, ranging from courses on entrepreneurship to Human Resources Management.

Up the Ladder - Applications

● Typical users of the application includes school and college students, self-employed persons, company administrators and independent contractors.

● Professional/Technical Users such in different fields of Engineering, Human Resources, Psychology, Researchers who want to use Up the Ladder for more analysis of careers, persons and employment.

● Programmers who are interested in working on the project by further developing it, providing insights and fixing bugs.

Working Professionals currently experiencing stagnation in their professional careers would be the most sought after users as they will get to properly plan their career.

Up the Ladder - Usage of Tools (Present and Future)

Phase 1 : Initiation and Design of Project

To build our software product, we started with the architecture of the project. The architecture of the project mainly involved a Login System allowing users to advance in terms of skill in various fields of their choice.

Tools used : 1. **Lucid Chart** for sequence diagrams.
2. **Creately** for data flow diagrams and architecture diagrams.
3. **Draw.io** for Use Case Diagrams.
4. **ERDPlus** for Entity Relationship Diagram of Database Design.

Up the Ladder - Usage of Tools (Present and Future)

Phase 2 : Design of Front-End.

Since our product was mainly a webapp involving all the functionalities required, the design of the User Interface was a major task.Unlike other webapps, this web app has a different look and feel in each of the different pages comprised in the webapp.

Tools Used: 1. **HTML** and **CSS** for basic website design.
            2. **Bootstrap** for advanced responsive web design.
            3. **Jquery.js** involved also for responsive website development.
            4. **Fonts API** was used for giving a good look and feel to the web app

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Up the Ladder - Usage of Tools (Present and Future)

Phase 3: Backend functionality of a full fledged working app.

After building our interactive User Interface and a review from our clients , we started off with our backend functionalities for the app to function properly.

Tools Used :   1. **MySQL** for database of the web app.
         2. **PHP** for the backend functionalities of the app.
         3. **Visual Studio Code** for the coding of the entire app.
         4. **Xampp** for Apache Server and Database Management.

Minutes of Meeting (MoM)

Firstly, it is to be noted that we are providing a mass service/platform and we do not have one defined customer or customer segment. Therefore, it is impossible to get Minutes of Meeting from our users.

However, we'll be requiring information from a varied set of professionals pertaining to different career streams. In the process of building *Up the Ladder,* we got in formal agreement with executives and individuals from many companies and firms, on mail, in office or both.

Atlantis Paper Industries Pvt. Ltd. (Mr. Sanjit Paul)

Association with Up the Ladder ▶ Inbox ×

Anubhav Paul <anubhav.paul@st.niituniversity.in>
to Er ▼

9:10 PM (2 hours ago)

Dear Sir,

As discussed with you over the call, my associates and I are in the process of building a new WebApp called '**Up the Ladder**' - an integrated platform connecting students, entrepreneurs, freelancers and other working people with experts and professionals from their interested industry.

Atlantis Paper Industries Pvt. Ltd, a prominent player in the notebook manufacturing industry in the state of Tripura, would be of great help in helping us build a network of experts and budding learners.

Sir, with regards to that and your capacity as Additional Director at Atlantis Paper Industries Pvt.Ltd, we would like to invite you to share information with us that we can upload on our application and help create a network of professionals and learners.

We would like information from professionals from your side in the following fields:

1. Entrepreneurship
2. Business Management

From your side, I would require the following with regards to Board of Directors and Higher Officials of Atlantis Paper Industry:

1. Names and Designation of Professionals
2. Profile of Professionals (CV + LinkedIn IDs)

Once we proceed with the above process, we would require detailed information on the following grounds:

1. Courses undertaken and excelled at during education process (high school, undergraduation and post graduation)
2. Competitive Exams taken to enter the present field
3. Current working conditions (working hours, salary track, personal and professional growth)
4. Difficulties faced in achieving success in the present field
5. Advantages and Disadvantages of working in this field

Sir, I would be grateful if you could help us undergo with the process. We assure you that we would work sincerely and cooperatively every step of the way, ensuring a beneficial business relationship for all parties involved.

...

Dear Anubhav and Team,

Atlantis Paper Industries Pvt. Ltd is really impressed with your idea and hence would like to associate with Up The Ladder as one of your client.

We will be happy to provide you with information related to Entrepreneurship and Business Management.

We will share with you the details as soon as possible.

Thanking you,

(Er. S K. Paul)
Addl Director
Atlantis Paper Industries Pvt Ltd.
North Gate of Rajbari, Dimsagar, Agartala -799001.
M: 8794740717

From: Anubhav Paul <anubhav.paul@st.niituniversity.in>
Sent: Mon, 12 Nov 2018 21:10:36
To: Er Sanjit Kr Paul Director APIPL <agar_atlantis@rediffmail.com>
Subject: Association with Up the Ladder

•••

Thanks a lot.   Thank you for your response.   Thank you for the mail.

Reply   Forward

MACK Studios (Mr. Archit Aggarwal)

Association with Up the Ladder Inbox ×

Jatin Gupta <jatin.gupta@st.niituniversity.in>   10:01 PM (1 hour ago)
to archit.a

Dear Sir,

As discussed with you over a meeting at your office in New Delhi, my associates and I are in the process of building a new software called **'Up the Ladder'** - an integrated platform connecting students, entrepreneurs, freelancers and other working people with experts and professionals from their interested industry.

MACK Studios, a budding branding solution company operating in New Delhi with a wide range of clients, can be extremely fruitful to us by providing a range of experts in the following fields:

1. Digital Marketing
2. Website Development and SEO
3. Advertising and Marketing
4. PR and Influence
5. Branding and Design
6. Entrepreneurship

Sir, with regards to that and in your capacity as **Director** at **MACK Studios**, we would like to invite professionals from **MACK Studios** to share information with us that we can upload on our application and help create a network of professionals and learners.

From your side, I would require the following with regards to MACK Studios employees:

1. Names and Designation of Professionals
2. Profile of Professionals (CV + LinkedIn IDs)

Once we proceed with the above process, we would require detailed information on the following grounds:

1. Courses undertaken and excelled at during education process (high school, undergraduation and post graduation)
2. Competitive Exams taken to enter the present field
3. Current working conditions (working hours, salary track, personal and professional growth)
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5. Advantages and Disadvantages of working in this field

Sir, I would be grateful if you could help us undergo with the process. We assure you that we would work sincerely and co-operatively every step of the way, ensuring a beneficial business relationship for all parties involved.

Thanks and Regards,
Jatin Gupta,

New Message

Dear Mr.Gupta

I would like to begin by saying on behalf of my entire company that we are looking forward to working with your organisation. It is my sincere belief that your organisation is doing something innovative with the potential to grow into a sustainable business soon.

We will be providing details of 6 experts to you that is one per field (as per your email) as part of the initial pilot program and then begin expanding the network on the basis of the results of the initial run. I will be sharing the information as required soon.

Thanks and regards

•••

Archit Aggarwal
Director
MACK Studios
(mackstudios.net)

Jumbo Digital Prints Pvt. Ltd. (Mr. Umesh Gupta)

Association with Up the Ladder Inbox ×

Jatin Gupta
to me

11:28 PM (13 minutes ago)

Dear Sir,

As discussed with you over a meeting at your office in New Delhi, my associates and I are in the process of building a new software called 'Up the Ladder' - an integrated platform connecting students, entrepreneurs, freelancers and other working people with experts and professionals from their interested industry.

Jumbo Digital Prints, a prominent printing solutions company based in Okhla, Delhi with a wide range of clients, can be extremely fruitful to us by providing a range of experts in the following fields:

1. Business Management
2. Branding and Design
3. Entrepreneurship

Sir, with regards to that and in your capacity as **Director** at **Jumbo Digital Prints**, we would like to invite professionals from **Jumbo Digital Prints** to share information with us that we can upload on our application and help create a network of professionals and learners.

From your side, I would require the following with regards to MACK Studios employees:

1. Names and Designation of Professionals
2. Profile of Professionals (CV + LinkedIn IDs)

Once we proceed with the above process, we would require detailed information on the following grounds:

1. Courses undertaken and excelled at during education process (high school, undergraduation and post graduation)
2. Competitive Exams taken to enter the present field
3. Current working conditions (working hours, salary track, personal and professional growth)
4. Difficulties faced in achieving success in the present field
5. Advantages and Disadvantages of working in this field

Sir, I would be grateful if you could help us undergo with the process. We assure you that we would work sincerely and co-operatively every step of the way, ensuring a beneficial business relationship for all parties involved.

Thanks and Regards,
Jatin Gupta,
+919958979466

Umesh Gupta

11:42 PM (1 minute ago)

to me

Hello Jatin,

This is a great initiative and I fully support you in your work. As discussed in meeting at my office, I fully support you in what you are doing and I would be ready to provide all the required information from my side. Looking forward to doing business with you. Best of luck.

Regards,
Umesh Gupta
Director
Jumbo Digital Prints
9350643535

Cognimous Securities (Mr. Kawaljeet Singh)

Request to associate with Up The Ladder

Rahul Poddar <rahul.16.poddar@st.niituniversity.in>
to kawalhere ▾

Fri, Nov 02, 09:07 PM ☆ ↩ ⋮

Sir,

As discussed with you over the call, my associates and I are in the process of building a new WebApp called '**Up the Ladder**' - an integrated platform connecting students, entrepreneurs, freelancers and other working people with experts and professionals from their interested industry.

Sir, in regards to that and in your capacity as a Black Hat Hacker and a trainer at Cognimous Securities, we would like to invite you to share information with us that we can upload on our application and help create a network of professionals and learners.

We would require detailed information on the following grounds:

1. *Initial motivation and approach (When starting from scratch)*
2. *Courses undertaken and excelled at during education process (high school, under-graduation and post graduation)*
3. *Current working conditions (working hours, salary track (approx), personal and professional growth)*
4. *Difficulties faced in achieving success in the present field*
5. *Advantages and Disadvantages of working in this field*

Sir, I would be grateful if you could help us undergo with the process. We assure you that we would work sincerely and cooperatively every step of the way, ensuring a beneficial business relationship for all parties involved.

Thanks and Regards,
Rahul Poddar
BTech CSE - III
U101116FCS097
Image result for niit university logo

↩ Reply   ➡ Forward

Career Projection to Cyber Security Expert

Kawaljeet Singh   Sun, Nov 04, 04:05 PM

to me ▾

1. Intitial start (as to how you got into this field)

[First thing first , A person should have a keen interest to become a cyber security expert identity as have capabilities to perform not just as a work but to Invent.]

2. Initial approach

[
-Graduation in IT / Computer science is the best way to accentuate your career in cyber Security OR you will have to learn essential things like programming language like C, Machine level language, Chip programming which clear up your perception of the each and every detail of initial part of computer science.
- As per my knowledge you can individually become the best in any field without any degree by self learning anyway.
- Understand field all the way as what you want from it, Why Cyber Security, like wise preset mind to drive long way.

3. Professional courses attended/pursued

There are thousands course available around the world but crucially important is Content and context of Working.
e.g. If course teach you computer understands 0/1 (binary language) which is a definition of working since invention, Can u make it work different ?
- 2x2=4 just like baics which will not be changed in content.
--Courses Available Online--

-Certified Ethical Hacker
-OSCP by offensive security

Supreme Court of India (Mr. Sunil Khatwani)

Jatin Gupta <jatingupta415@gmail.com>   Nov 12, 2018, 10:15 PM

to Sukhadh ▾

Dear Sir,

As discussed with you over the call, my associates and I are in the process of building a new software called **'Up the Ladder'** - an integrated platform connecting students, entrepreneurs, freelancers and other working people with experts and professionals from their interested industry.

Having decades of experience as a **Civil Lawyer** at the **Supreme Court of India**, you could prove to be indispensable in providing expertise in the following fields:

1. Law
2. Civil Law

Sir, with regards to that and in your capacity as **Civil Lawyer** at **Supreme Court of India**, we would like to invite you to share information with us that we can upload on our WebApp and help create a network of professionals and learners.

From your side, I would require the following with regards to McCANN employees:

1. Names and Designation of Professionals
2. Profile of Professionals (CV + LinkedIn IDs)

Once we proceed with the above process, we would require detailed information on the following grounds:

1. Courses undertaken and excelled at during education process (high school, undergraduation and post graduation)
2. Competitive Exams taken to enter the present field
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Sir, I would be grateful if you could help us undergo with the process. We assure you that we would work sincerely and co-operatively every step of the way, ensuring a beneficial business relationship for all parties involved.

Thanks and Regards,
Jatin Gupta,
+919958979466

Sunil Khatwani

to me

Nov 12, 2018, 11:12 PM

Hi Jatin

Good wishes on your endeavour of building a web based platform for connecting aspirants and professionals in various fields.

As an advocate with experience of over a decade in the legal field I would not be averse to offer guidance and advice to youngsters and others desirous of pursuing a vocation in this area.

My legal practice pertained to handling Civil matters in Delhi District Courts, Consumers Forums, National Consumer Disputes Redressal Commission, Delhi High Court and The Supreme Court of India.

The above information may purely be regarded for your purpose as specifically requested and may not in any way construed as soliciting work, as Advocates are governed by the rules of Bar Council of India and are prohibited from advertising.

Regards

...

Reply   Forward

Snippets of *Up the Ladder*
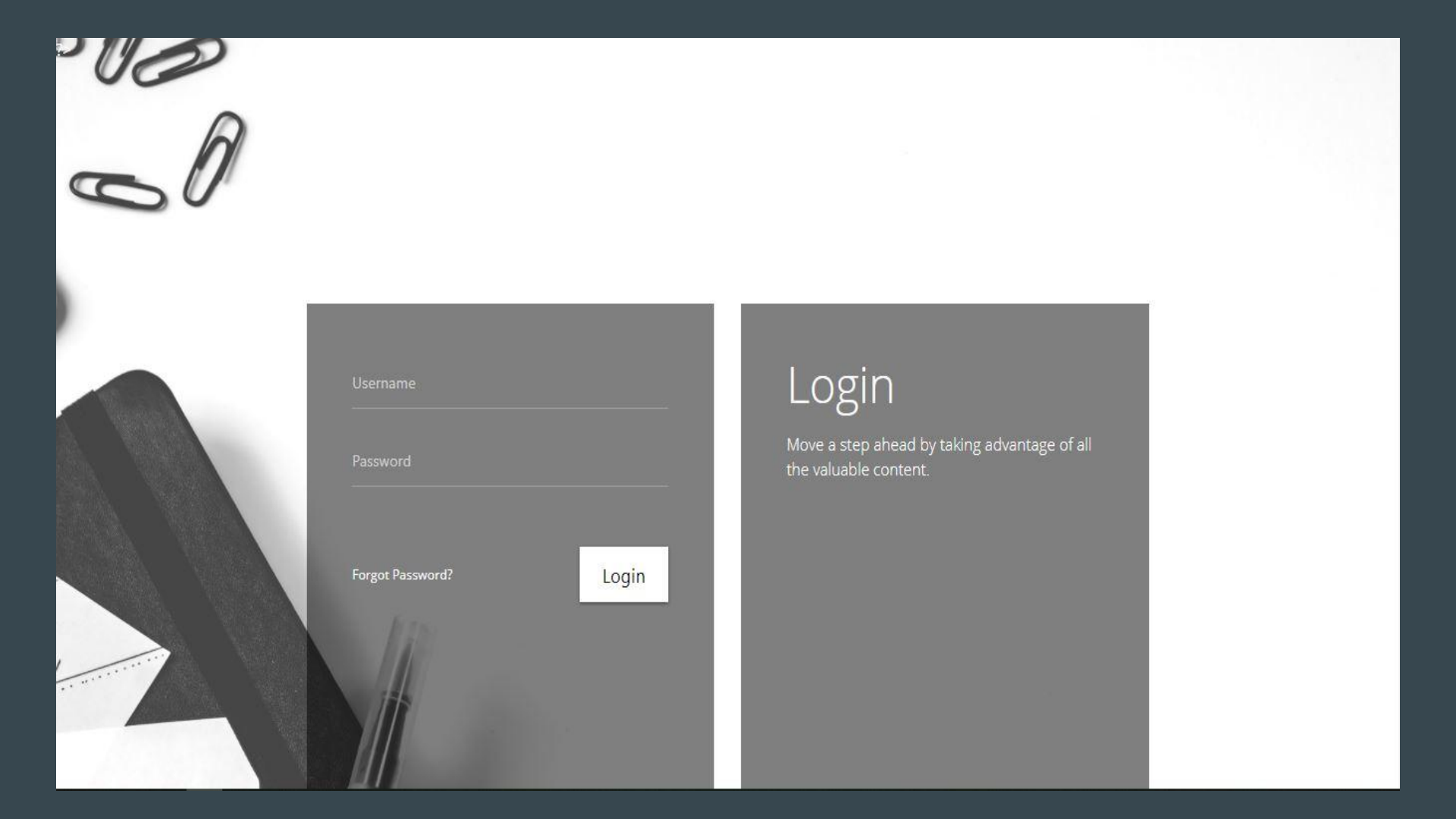
Up The Ladder

An Innovation for the newbies

LOGIN   SIGN UP

Username

Password

Forgot Password?

Login

Login

Move a step ahead by taking advantage of all the valuable content.

Sign-up

Be a part of our amazing community.Helping
others grow is the only motive.

Username

Password

Re-type Password

Email

Phone

Sign Up

Career Options

Machine Learning

Artificial Intelligence

Web Design and Development

Mobile Engineer

Cyber Security

Data Science and Big Data

Software Engineer

UX Developer

Machine Learning

Career RoadMap

BECOME A MACHINE LEARNING EXPERT IN NINE STEPS

abc 1. UNDERSTAND THE BASICS	2. LEARN SOME STATISTICS	3. LEARN PYTHON OR R (OR BOTH) FOR DATA ANALYSIS

Artificial Intelligence

Career RoadMap

What Exactly Does an AI Engineer Do?

AI engineering falls into the greater purview of the growing artificial

Contact Us.

Feel free to share your queries and requests with us.

Full Name

Email

Additional Message

UserName

Web Developer and Designer

About

SKILLS

Cyber
AI
Software eng
cs go
pubg

User_id	1
Name	Piyush
Email	p@gmail.com
Phone	123456789
Profession	123456789