

INTERNSHIP REPORT ON

Front End Development

**BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE & ENGINEERING (MACHINE LEARNING &
ARTIFICIAL INTELLIGENCE)**

Submitted by:

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Submitted to:

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**Department of Computer Science and Engineering
Graphic Era (Deemed to be University)
Dehradun, Uttarakhand
October-2022**

COPY OF CERTIFICATE



Certificate of Completion



AKSHAT BHATT

has successfully completed the internship requirements to be recognized as a certified Professional of:

Front End Development

From: 16 Aug 2022 to 30 Sep 2022 | Registration Number: A2ITMH-9816





Verify Certificate at:
www.a2itsoft.com

C-124, Industrial Area, Phase 8, Mohali - Punjab
Ph: 0172 5099500 | E: info@a2itsoft.com | W: www.a2itsoft.com

Contact Details

This internship was carried out virtually for a period of 45 days that is from 16th of August 2022 to 30th September 2022 under the guidance and help of the training faculty provided by A2IT online. Auscan Academy for Information Technology Private Limited (A2IT) provided the best faculty for industrial training.

Website: <https://www.a2itsoft.com/>

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Acknowledgement

The successful completion of this internship report would not have been possible without the support and assistance of many individuals and the organization. I feel immensely blessed to have gotten this during my internship program. All thanks to my adorable parents for their profound help and support during the cause of this project work. I would like to take this opportunity to offer my earnest admiration to each and every one of them.

I would like to thank Auscan Academy of Information Technology Private Limited (A2IT) for giving me the opportunity to do an internship within their organization. It is indeed with a great sense of pleasure and immense sense of gratitude that I acknowledge the enjoyable working environment provided by them.

Thanks to my classmates who helped me directly or indirectly to accomplish my work. Finally, I would like to thank all my professors and colleagues, who were the people, who prepared me for this endeavour. I own you all my success in this internship.

About the Company

A2IT is an industrial training company in Mohali Chandigarh which stands for *Auscan Academy of Information Technology Pvt. Ltd.* A2IT is an experienced SaaS software development company with an award-winning portfolio. A2IT is a team that work with passion for developing and delivering enterprise software applications. the A2IT motto of "You dream: we build" and knows how to take custom software application development ideas from concept to delivery. With the experience of working with more than 20 Fortune 200 companies, we have developed applications that are now being used by millions of consumers around the world. We know how to build best bug free software products. Our prime objective is to render quality services in the three aspects that play a major role in IT industry.

A2IT provides is a software development company with strong skills in:

- Offerings span across Telecom.
- Network Integration.
- Digital Marketing Solutions.
- Software Engineering Solutions.
- Web development.
- Mobile app development (iOS and Android).
- Desktop applications development (Windows and macOS).
- UX | UI design.

With an indomitable spirit to succeed, A2IT Mohali made a modest start in the year 2001, from a small office with a team of six. Today, with over a hundred people family, they have come a long way and the same inspiration to achieve continues to drive them from one success to another. It is a trusted development & SaaS partner for Fortune 200 companies and established brands.

Work Responsibilities

As a front-end developer, the major duties included determining the structure and design of web pages, striking a balance between functional and aesthetic design, and ensuring web design is optimized for smartphones. Working in an Agile, collaborative environment to understand requirements, design, code, and test innovative applications, and support those application. It requires the user to be skilled in in UI Development technologies such as HTML, CSS, JavaScript and must have basic knowledge in one or more of the following technology areas: Node.js, React, Vue, Angular.

Some key responsibilities included during the internship included were:

- Use markup languages like HTML to create user-friendly web pages.
- Maintain and improve website.
- Create quality mock-ups and prototypes.
- Stay up to date on emerging technologies.
- Help with coding and troubleshooting.
- Improve usability.
- Optimize web pages for maximum speed.
- Collaborate with back-end developers, and build solutions for, users and customers.
- Ensure high quality standards and consistent code.

Work Details

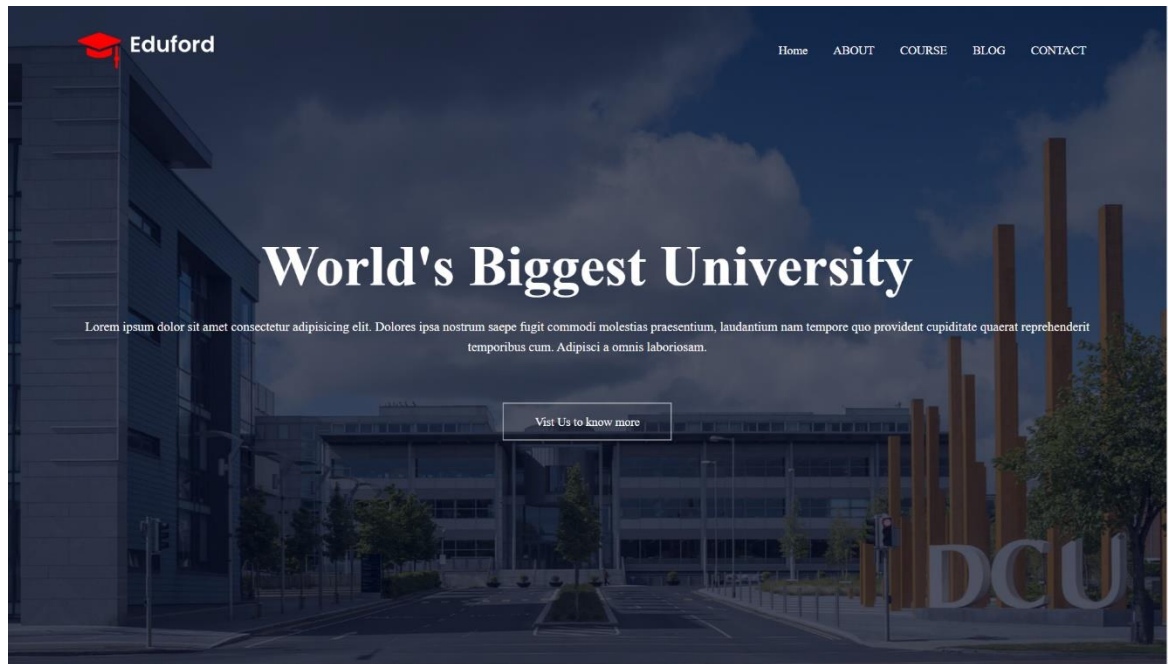
The internship was carried out digitally, with the intern receiving a dashboard with all the tasks that were essential and required for completion. The intern must have to accomplish all of the duties allocated to them in order to properly complete the internship. Each activity was an individual assignment, and no group work was permitted. The intern had to be able to complete each task within the allotted time frame for it to be considered a success. Using multiple technologies, including HTML, CSS, and JavaScript, was required for the internship.

The internship included of total three tasks that were to be completed for the successful completion of the internship. The task ranked up from basics to intermediate level.

Task 1:

The first task for the internship was to develop a simple landing page using HTML, CSS and bootstrap. The task was simple yet required a solid foundation knowledge of the technologies. A landing page is one of the best development project for a beginner level.

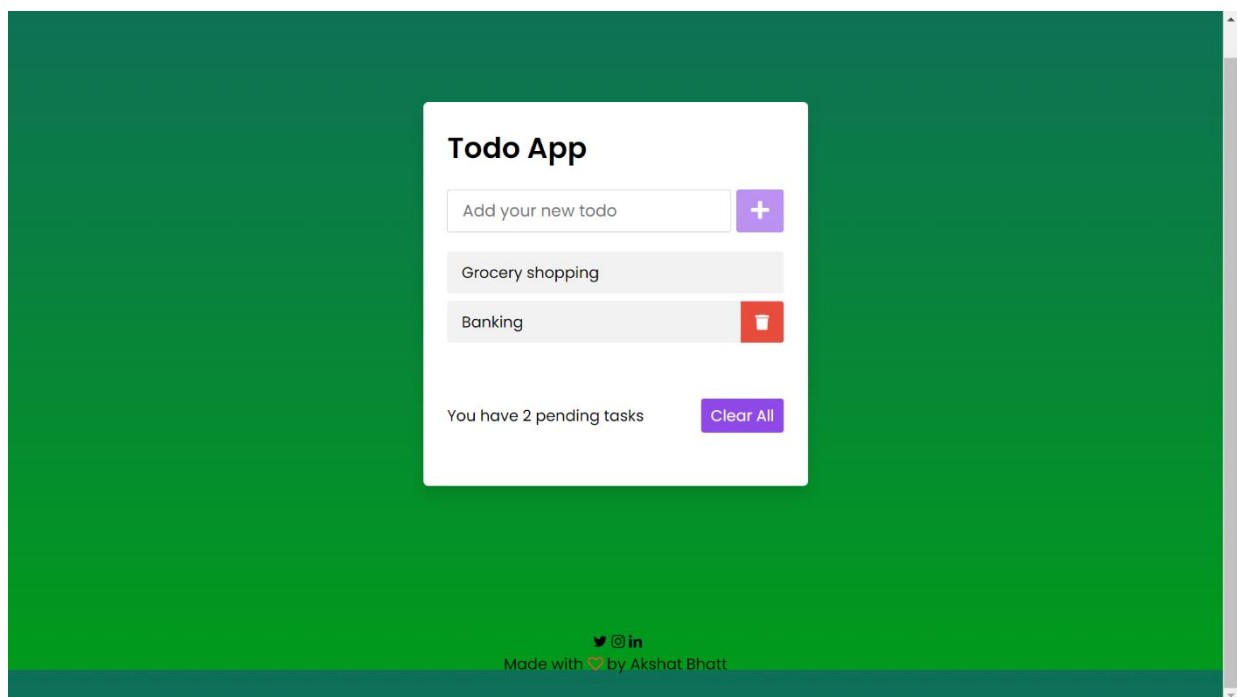
I created a landing page for a edtech teaching platform which required knowledge on how to add columns, divide sections, arrange items, add headers, footers and using creativity to make the page look impressive. The alignments, the padding, the color palette, boxes and all other elements on the page require attention.



Task 2:

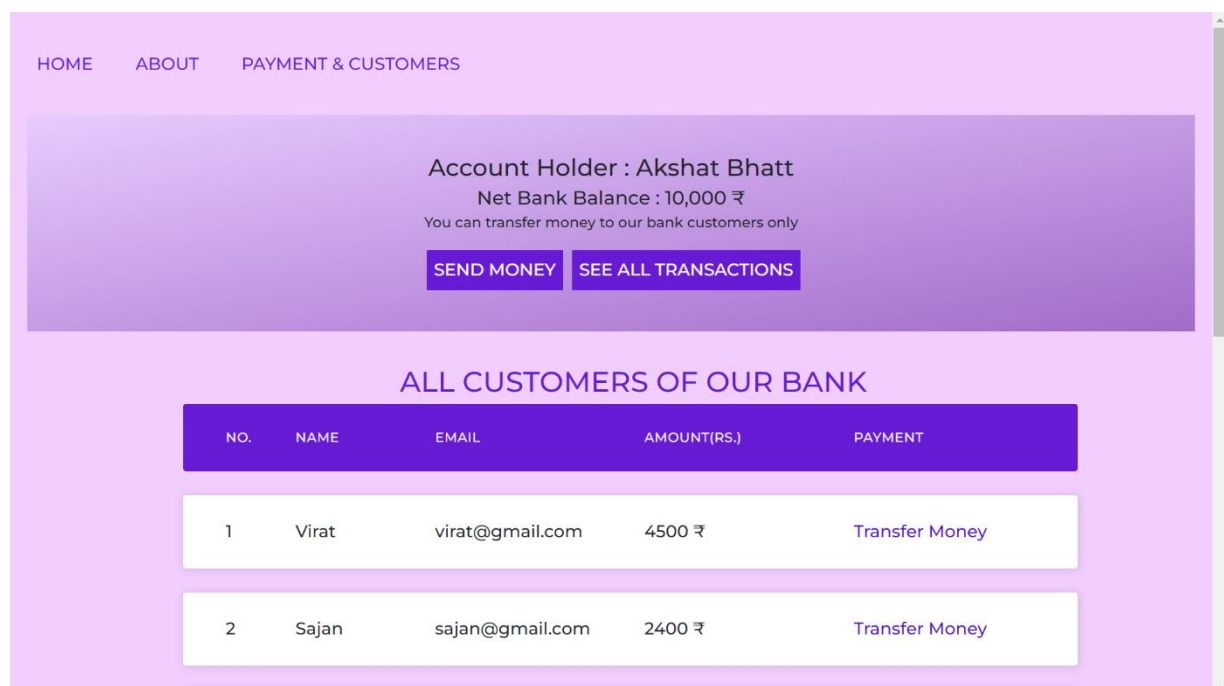
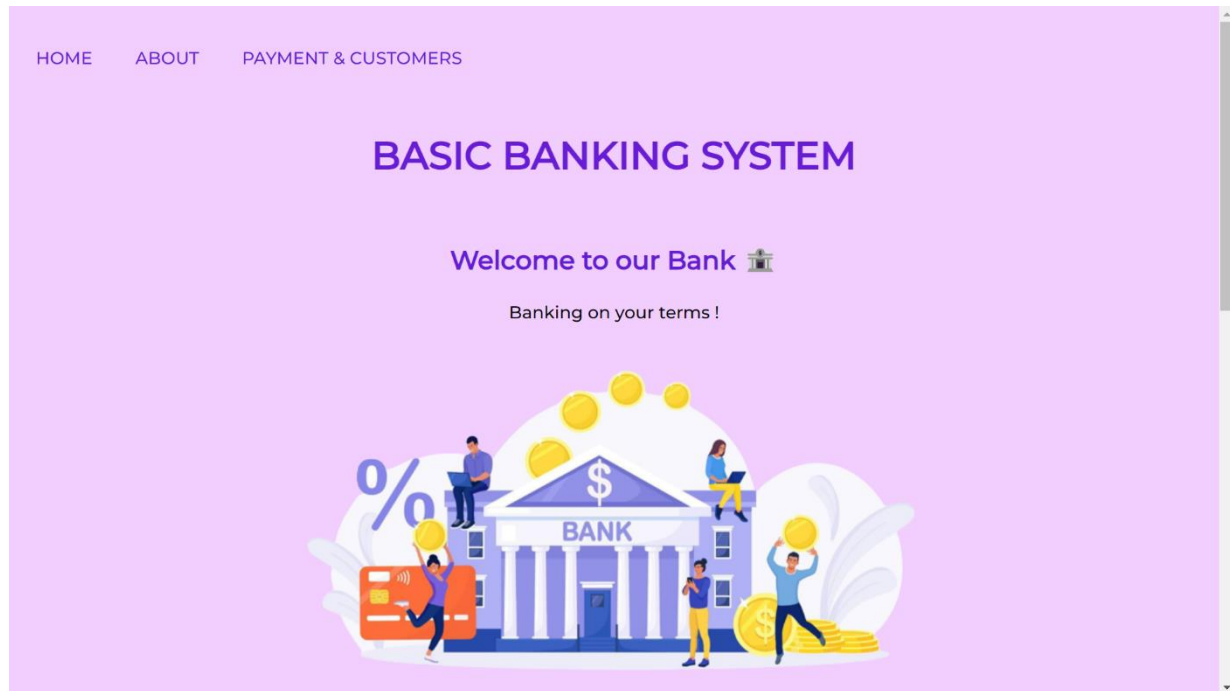
The second task of the internship was to create a simple to-do app using purely HTML, CSS, JavaScript and bootstrap. In this knowledge of JavaScript was the most important in order to provide functionality and working of the app, with a proper user interface.

The to-do app can help list tasks without manual sorting, without advertising, no reference to date or time, no data storage in the cloud and help user to be focused.



Task 3:

The third and final task for the internship was to create a basic banking system using HTML, CSS, bootstrap, and JavaScript. It is a web application where it demonstrates transferring money in a simple hassle-free way. There are mainly two options such as Transfer History to know the transaction history and View Customers to transfer option to select a user from the customers list and then transfer money.



Skills Learned

During entire training session I discussed about how to analysis the project and how to work on it as per the requirement of client. The projects done during the internship are based on the tags of programming language HTML, CSS and JavaScript.

1. HTML

- **Basic concepts** (www and & HTTP, client server communication).
- **Basic HTML** (tags, element, attributes, paragraphs, headings, line breaks, lists, table, colour codes, font, text linking, email, images, background, comments, media, charset).
- **HTML Forms** (input, text fields, password, checkbox, combo-box, radio box, text areas, files, buttons).
- **HTML5** features.

2. CSS

- **Basic CSS** (selector, internal, external, inline, class, id, background, font, text, padding, margin, border, list CSS, hovering and elements).
- **Advance CSS** (border-radius, opacity, cursor, layers, position, display, float, gradient and multiple-column).
- Concept of Menu (single menu, drop-down menu).
- Template design using CSS div.

3. JavaScript

- **Basic JavaScript** (syntax, enable, location, operators, variables, events, alert, confirm, prompt, POP up, date, print)
- **JavaScript string** (strings, length, split, search, replace)
- **JavaScript Events** (onchange, onclick, onmouseover etc)
- **Document Object Model**

4. Bootstrap

- Grid System
- Typography
- Navigation element
- Tables, forms, buttons, images
- Dropdown, button group
- Bootstrap plug-ins (Transition, Modal, Dropdown, Tab, tooltip, Alert, Button)

Conclusion

In conclusion, I can say that this internship was a great experience. I acquired deeper knowledge concerning my technical skills, but I also personally benefited. Currently HTML is a common part of web applications, and it is one of the most popular languages for web designing used by professionals worldwide. If we surf internet, we can see millions of websites designed with HTML and CSS. Indeed, I grew more independent in work and in everyday life. I realized that I could do more things than I thought, like learning new things by myself. There are huge opportunities available for the students who want to work in this field. Many private and public organizations hire web designer for their online work and website development. With the rapid advent of online industry, the demand of web development professionals is increasing, and this has created a huge job opportunity for the aspirants in the upcoming days. Also, an experienced person in this field can also work as a freelancer; there are many online companies which provide online projects to the individuals.

If someone has no experience in this field, finding work can be a real challenge. A successful internship can help an individual turn an experience into a career opportunity. So as a successful internship some future scopes are:

- To work in IT company.
- Can work as a Software Engineer.
- Can work as a Web Designer.
- Can work as a Web Developer.
- Can work as a QA Tester.