

AN INTERNSHIP REPORT ON

SAFE CAM WEBSITE

*An Short-term Internship Report Submitted to Jawaharlal Nehru Technological University,
Kakinada in partial fulfillments of Requirements for the Award of the Degree of*

BACHELOR OF TECHNOLOGY IN

COMPUTER SCIENCE AND ENGINEERING (AI & ML)



Submitted By

Mrs. NADIPUDI SRI HARSHINI

(20KT1A4233)

Under the Esteemed Guidance of

Mrs. N.V. MAHA LAKSHMI, M. Tech., (Ph.D).

Associate Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI & ML)

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF
ENGINEERING & TECHNOLOGY**

(Approved by ACTE New Delhi, Affiliated to JNTU-Kakinada) KOTHAPET,

VIJAYAWADA- 520001, A.P

2023-2024

PROGRAM BOOK FOR

SHORT-TERM INTERNSHIP

(Onsite / Virtual)

Name of the Student : NADIPUDI SRI HARSHINI

Name of the college : PSCMRCET

Registration Number : 20KT1A4233

Period of Internship : 2 months **From :** 15-05-2023 **To :** 15-07-2023

Name & Address of the Intern Organization : BlackBuck Engineers Pvt. Ltd

**Jawaharlal Nehru Technological University,
Kakinada**

**2023-2024
YEAR**

An Internship Report on

SAFE CAM WEBSITE

*Submitted in accordance with the requirement for the degree
of
B.Tech*

Under the Faculty Guideship of

Mrs. N.V. MAHA LAKSHMI, M. Tech., (Ph.D)

Department of CSE

PSCMRCET

Submitted by:

NADIPUDI SRI HARSHINI

Reg .No: 20KT1A4233

Department of CSE (AI & ML)

PSCMRCET

Student's Declaration

I, **NADIPUDI SRI HARSHINI** a student of **B.Tech** Program, Reg. No.**20KT1A4233** of the Department of **CSE(AI & ML)**, PSCMRCET College do hereby declare that I have completed the mandatory internship from 15-05-2023 to 15-07-2023 in Indian **Blackbuck Engineers Pvt. Ltd** under the Faculty Guideship of Mrs. N.V. MAHA LAKSHMI, M. Tech., (Ph.D). Department of CSE – (AI & ML), Potti Sriramulu Chalavadi Mallikarjunarao College of Engineering & Technology.

(Signature & Date)

Official Certification

This is to certify that **NADIPUDI SRI HARSHINI** Reg. No. **20KT1A4233** has completed his/her Internship in **Blackbuck Engineers Pvt. Ltd** on **JAVA AND FSD PROGRAMMING** under my supervision as a part of partial fulfillment of the requirement for the Degree of **B.Tech** in the Department of **CSE(AI & ML)**, Potti Sriramulu Chalavadi Mallikarjunarao College of Engineering & Technology

This is accepted for evaluation.

(Signatory with Date and Seal)

Endorsements

Faculty Guide

Head of the Department

Principal

Certificate from Intern Organization

This is to certify that **NADIPUDI SRI HARSHINI** Reg. No **20KT1A4233** of **Potti Sriramulu Chalavadi Mallikarjunarao College of Engineering & Technology** underwent internship in **Blackbuck Engineers Pvt. Ltd** from **15/05/2023 to 15/07/2023.**

The overall performance of the intern during his/her internship is found to be **Satisfactory.**

Authorized Signatory with Date and Seal

Acknowledgements

We owe a great many thanks to a great many people who helped and supported and suggested us in every step.

We are glad for having the support of our principal **Dr. J. LAKSHMI NARAYANA** who inspired us with his words filled with dedication and discipline towards work.

We express our gratitude towards **Mrs. N.V.MAHA LAKSHMI, Associate Professor & HoD of CSE(AI&ML)** for extending her support through training classes which had been the major source to carry out our project.

We are very much thankful to **Dr. Mrs. N.V. MAHA LAKSHMI, M. TECH., (PH.D).** Associate Professor as supervisor, Guide of our project for guiding and correcting various documents of ours with attention and care. He has taken pain to go through the project and make necessary corrections as and when needed.

Finally, we thank one and all who directly and indirectly helped us to complete our project successfully.

Project Associates

Mrs. NADIPUDI SRI HARSHINI (20KT1A4233)

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CHAPTER 1: EXECUTIVE SUMMARY

This report encapsulates a dynamic two-month internship experience in the realm of Full Stack Development, with a focus on HTML, JavaScript, Bootstrap, Express js, Node js, Angular, CSS, and foundational Java concepts and the basics of MongoDB. The internship, hosted by “Blackbuck Engineers Pvt. Ltd”, a prominent player in the IT industry, aimed to provide hands-on exposure to key technologies in the Full Stack domain. The following executive summary outlines the primary learning objectives, outcomes achieved, and highlights the intern's contributions during the internship period.

Learning Objectives :

- To learn HTML tags and JavaScript Language programming concepts and techniques.
- Learn to research new methods of development in web applications and programming languages.
- To learn Server side (back-end) fundamentals and apply them to the creation of dynamic websites and web apps.
- To develop the ability to logically plan and develop web pages.
- To learn to write, test, and debug web pages using HTML and JavaScript.

Outcomes :

- Acquire skill in HTML tags and Scripting tags.
- Acquire a knowledge of new methods of development in web applications and programming languages.
- Learned Server side (back-end) fundamentals to develop dynamic websites and web pages.
- Developed the ability to logical planning.
- Gain an understanding to write, test, and debug web pages using HTML and JavaScript.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION



Blackbuck Engineers Pvt. Ltd is a company based in Hyderabad, India, that provides training and placement services in the fields of engineering, technology, and management. The company aims to bridge the gap between industry and academia by offering courses, workshops, projects, internships, and job opportunities to students and professionals. The company also helps organizations to hire skilled and talented candidates for their requirements.

Blackbuck Engineers offers various courses and programs in domains such as cyber security, cloud computing, data science, artificial intelligence, machine learning, block chain, internet of things, robotics, web development, mobile app development, and more. The company has a team of experienced and qualified trainers, mentors, and experts who guide the learners through the curriculum and provide them with practical exposure and hands-on experience. The company also conducts assessments and certifications to evaluate the learners' skills and knowledge.

Blackbuck Engineers has a strong network of corporate partners and clients who provide the company with access to the latest industry trends, technologies, and opportunities. The company collaborates with these partners and clients to create customized and tailor-made solutions for their needs. The company also organizes events, seminars, webinars, hackathon, and competitions to showcase the learners' projects and portfolios and connect them with potential employers. The company has a track record of placing its learners in reputed companies and organizations across various sectors and domains.

CHAPTER 3: INTERNSHIP PART

Work Schedule:

Week	Activity performed
1	Introduction to fundamentals of Full-Stack development
2	HTML, CSS, JavaScript
3	Java programming language using Eclipse IDE
4	Angular JS & Visual Studio Code
5	Express JS & Node JS
6	Mongo DB connectivity
7	React JS
8	Project Development

Equipment Used:

Hardware Equipment:

- Laptop 4 GHz minimum, multi-core processor
- Memory (RAM) 4GB, preferably higher, and commensurate with concurrent usage

Software Equipment:

- Mongo DB
- Node JS
- Visual studio Code

Components Used:

- Google chrome

Tasks Performed:

Task	Name of the Task
1	Creating Simple web page using HTML with the help of Sublime Text
2	Styling the web page using CSS properties with the help of Sublime Text
3	Designing a Template using HTML, CSS with the help of VS Code
4	Designing a Multiple page application by using Bootstrap
5	Creation of a single page web application

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1			
Day - 2			
Day - 3			
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT

WEEK – 1 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1			
Day - 2			
Day - 3			
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT

WEEK – 2 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1			
Day - 2			
Day - 3			
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT

WEEK – 3 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1			
Day - 2			
Day - 3			
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT

WEEK – 4 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1			
Day - 2			
Day - 3			
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT

WEEK – 5 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1			
Day - 2			
Day - 3			
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT

WEEK – 6 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

ACTIVITY LOG FOR THE SEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1			
Day - 2			
Day - 3			
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT

WEEK – 7 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1			
Day - 2			
Day - 3			
Day - 4			
Day - 5			
Day -6			

WEEKLY REPORT

WEEK – 8 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

CHAPTER 5: OUTCOMES DESCRIPTION

Describe the work environment you have experienced

On the first day of our internship, we had an interaction session with our mentor Mr. Sreekanth sir and had a keen interaction about the internship program and the outcomes of the program. An 8-week Internship program on Full Stack Development was conducted by Blackbucks.

The activities that must be done after the internship program. There will be three weekly assignments to assess the learning capacity of students. Those assignments can be of any form such as descriptive, online, practical that is of hands-on practice. He particularly mentioned that there will be no plagiarism allowed in assignment. Each is thoroughly checked by the respective evaluators.

The marks that were allotted in the internship program were taken dynamically. This process of marks allotment is divided into two segments. One is the marks that are allotted to attendance of the students and the other one is the marks allotted to the assignments. The whole program is a disciplined and well-organized program where every task is keenly represented and explained.

We have been given a team assignment for the project. By this project implementation we managed our timing skills by submitting it on time. During the submission of the project is explained through Zoom Meetings. We must present our project to our mentors in order to complete our internship. If they accept our justification, then our project is accepted. This is our program's last phase.

Describe the real time technical skills you have acquired

HTML:

HyperText Markup Language, is the foundational language for creating and structuring web content. It provides the essential elements and tags that define the structure of a web page, such as headings, paragraphs, images, and links. HTML serves as the backbone of web development, forming the structure upon which other technologies like CSS and JavaScript build to create engaging and interactive websites.

CSS:

Cascading Style Sheets (CSS) is a powerful styling language that complements HTML by controlling the layout and presentation of web pages. CSS enables developers to define the visual style of HTML elements, including colors, fonts, spacing, and responsiveness. It plays a crucial role in enhancing the user experience by ensuring a consistent and aesthetically pleasing design across various devices and screen sizes.

Bootstrap:

Bootstrap is a popular front-end framework that simplifies and expedites the process of building responsive and visually appealing websites. Built on HTML, CSS, and JavaScript, Bootstrap offers a collection of pre-designed components, such as navigation bars, buttons, and modals, that can be easily customized to create a cohesive and modern user interface. Its grid system and responsive utilities facilitate the development of mobile-friendly web applications.

Angular:

Angular is a powerful JavaScript framework developed by Google for building dynamic, single-page web applications. It follows the Model-View-Controller (MVC) architecture, providing a structured framework for organizing and scaling code. Angular simplifies the development process by offering two-way data binding, dependency injection, and a robust set of tools for building modular and maintainable applications.

MongoDB:

MongoDB is a NoSQL database that revolutionizes data storage for web applications. Unlike traditional relational databases, MongoDB stores data in flexible, JSON-like documents, making it ideal for handling unstructured or semi-structured data. It excels in scalability and performance, offering features such as horizontal scaling and automatic sharding. MongoDB is a popular choice for developers seeking a flexible and scalable database solution for their applications.

Java:

Java is an object-oriented programming language known for its cross-platform compatibility. With a focus on simplicity, strong typing, and memory management, Java allows developers to create applications ranging from enterprise software to mobile apps. Its platform independence is achieved through the Java Virtual Machine (JVM), ensuring code runs on any device with a compatible JVM implementation. Security features, such as access control and garbage collection, make Java a reliable choice for diverse software projects.

JavaScript:

JavaScript, a dynamic scripting language, is essential for creating interactive and dynamic web interfaces. It runs directly in browsers, enhancing web pages with responsiveness and user engagement. JavaScript's fundamentals include prototype-based object-oriented programming, asynchronous event handling, and support for functions as first-class citizens. It is versatile, used for client-side development, server-side applications (Node.js), and mobile apps. React JS is a JavaScript library that lets you create user interfaces for web and mobile applications. It is based on the idea of reusable components that can display data and handle events. React JS is fast, simple, and scalable. It is developed and maintained by Facebook and a large community of developers.

Describe the managerial skills you have acquired

Effective managerial skills play a pivotal role in ensuring a successful offline internship experience. In terms of planning, interns need to exhibit meticulous planning skills, organizing tasks and setting clear objectives to guide their work. Leadership capabilities are crucial for steering projects and teams, involving adept decision-making and strategic delegation of responsibilities. Teamwork is essential; interns should collaborate seamlessly with colleagues, fostering a positive and cooperative atmosphere.

Behavioral skills, encompassing professionalism, communication, and interpersonal finesse, are paramount for navigating workplace dynamics. A strong work ethic and craftsmanship are essential for producing high-quality outputs. Interns should demonstrate a productive use of time, efficiently managing tasks to meet deadlines and contribute to the overall success of projects.

Weekly improvement in competencies is a progressive approach, indicating a commitment to personal and professional development. Setting and tracking goals allows interns to stay focused and motivated, fostering a sense of purpose throughout the internship. Decision-making skills, rooted in critical thinking and adaptability, enable interns to address challenges with confidence.

Performance analysis is crucial for interns to assess their contributions, identify areas for improvement, and showcase achievements. Continuous feedback and self-reflection enhance the learning experience. Overall, a holistic approach to managerial skills during an offline internship ensures interns not only meet their immediate responsibilities but also contribute positively to the organization's goals and objectives.

Describe how you could improve your communication skills

Participating in an offline internship has been instrumental in honing my communication skills across various dimensions. Firstly, my oral communication skills have seen significant improvement through regular interactions with colleagues and superiors. Engaging in team meetings and presentations has allowed me to articulate ideas clearly and confidently. As a result, my ability to express complex concepts in a comprehensible manner has strengthened. Additionally, the internship has provided ample opportunities to enhance my conversational abilities. Engaging in meaningful discussions with team members has not only improved my active listening skills but also expanded my capacity to contribute thoughtfully to group conversations.

On the written communication front, my proficiency has grown through tasks involving email correspondence, report drafting, and documentation. Clear and concise written communication has become a hallmark of my professional interactions. Furthermore, the internship has been crucial in boosting my confidence levels while communicating. Overcoming initial anxieties, I now approach discussions with a greater sense of assurance, facilitating more effective communication. Understanding the perspectives of others has been a key focus, leading to improved collaboration and a more inclusive work environment. Simultaneously, efforts to ensure that others comprehend my messages have become more deliberate, emphasizing clarity and precision.

Extempore speech and the ability to articulate key points have been areas of continuous improvement. Impromptu presentations and discussions have sharpened my capacity to think on my feet, express ideas succinctly, and respond to questions confidently. Moreover, I've learned to adeptly close conversations, maintaining niceties and adhering to professional protocols. Greeting, thanking, and expressing appreciation have become integral aspects of my communication style, fostering positive relationships within the workplace. Overall, this offline internship has been a transformative experience, refining my communication skills and equipping me with the tools necessary for effective and nuanced professional interactions.

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

I had the opportunity to work on an e-courses website project as a team during my internship. This project helped me to improve my skills in various aspects of teamwork. Firstly, we planned how to design the project and used bootstrap to make the development easier with its per-defined classes. Bootstrap also helped us to make the website responsive for different devices.

Secondly, we chose angular architecture to develop the project, which allowed us to create modular and reusable components. We divided the project into sub parts and assigned them to different team members according to their expertise and interest.

Thirdly, we communicated regularly through group discussions and feedback sessions to monitor the progress and resolve any issues. We also supported each other and shared our knowledge and resources. Lastly, we learned how to lead the team and manage the project effectively.

We set clear goals and deadlines, delegated tasks, coordinated the work, and ensured the quality of the final product. Through this project, we gained valuable experience and learned the importance of angular component-based architecture.

Describe the technological developments you have observed and relevant to the subject area of training

HTML and HTML5 are both ways to make web pages, but HTML5 is newer and better than HTML. HTML5 can do more things, like play sounds and videos, get your location, draw pictures, and make games, without needing extra programs. HTML5 also has more words and symbols to describe what the web page is about and what the user can do with it. HTML5 makes it easier to write and check the web page for mistakes.

Angular is crucial in web development due to its component-based architecture, enabling modularity and code reusability. The framework's two-way data binding simplifies synchronization between the model and the view, reducing boilerplate code. Dependency injection enhances modularity and testability, while Angular's declarative UI and templating using HTML make code more intuitive. It addresses cross-browser compatibility issues and boasts a rich ecosystem with strong community support. The Angular CLI streamlines development tasks, and being maintained by Google ensures stability and ongoing improvements. Angular's testing support and integration with frameworks like Ionic for mobile development further solidify its importance in building scalable and maintainable web applications.

The basic use of React.js is to provide a structured and efficient way to build user interfaces with a focus on reusability, performance, and a declarative approach to UI development. It has become a popular choice for front-end development, and its principles can be applied in conjunction with other tools and frameworks for building full-fledged web applications.

Student Self Evaluation of the Short-Term Internship

Student Name:		Registration No:
Term of Internship:	From:	To :
Date of Evaluation:		
Organization Name & Address:		

Please rate your performance in the following areas:

Rating Scale: **Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name:		Registration No:
Term of Internship:	From:	To :
Date of Evaluation:		
Organization Name & Address:		
Name & Address of the Supervisor with Mobile Number		

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Supervisor

PHOTOS & VIDEO LINKS

1. Home Page :



Fig : Home Page

2. About us page :

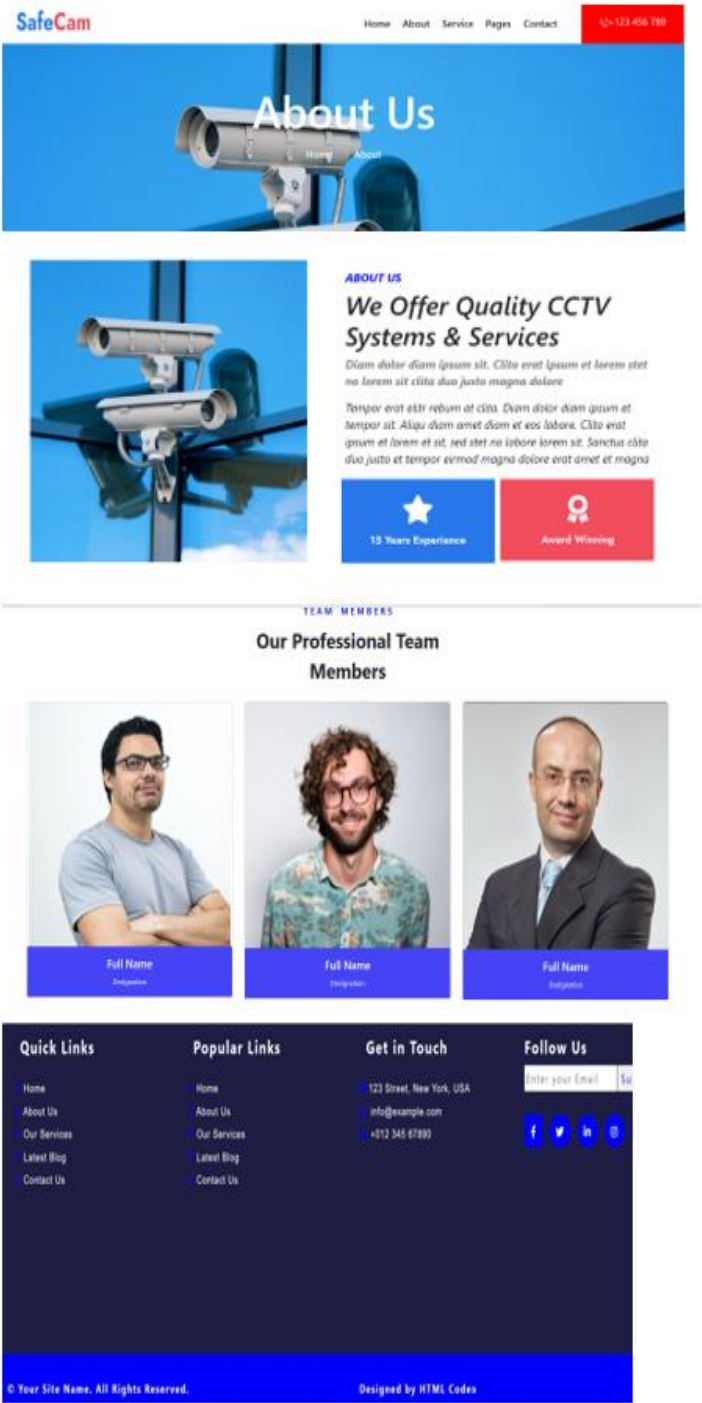


Fig : About us Page

3. Services Page :



Fig : Services Page

4. Pricing Page :

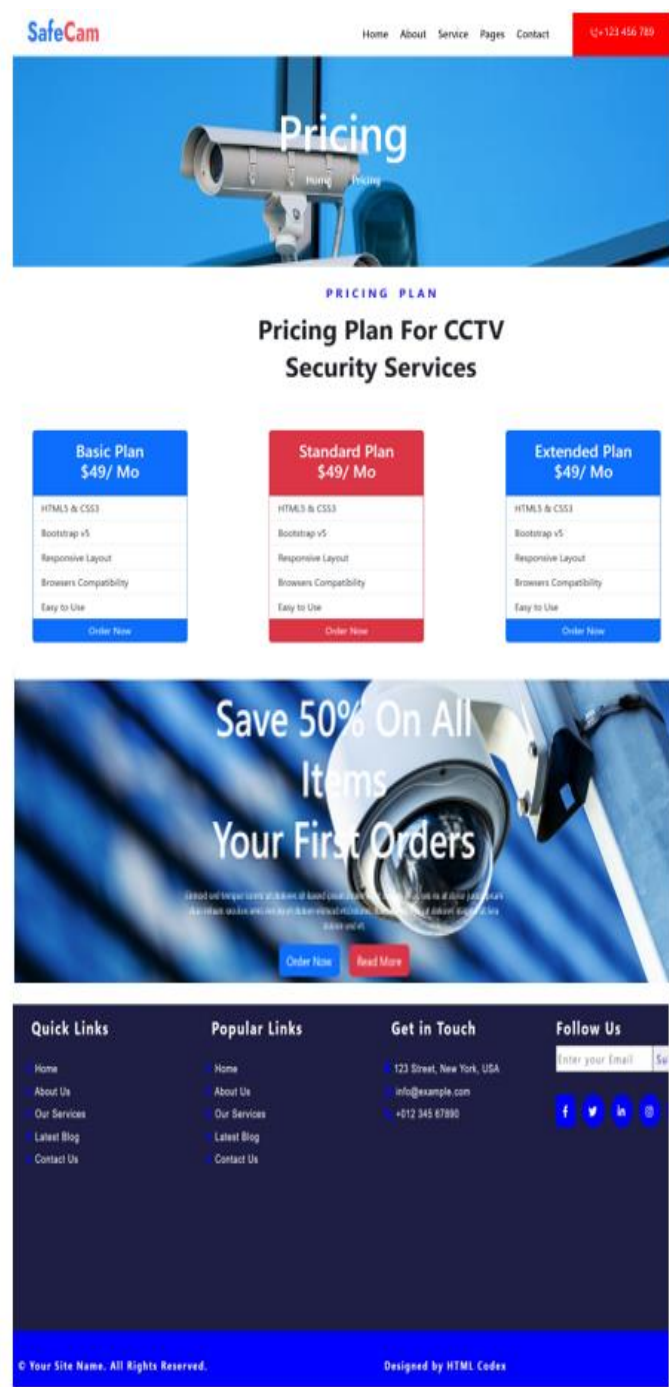


Fig : Pricing Page

5. Contact Us Page :

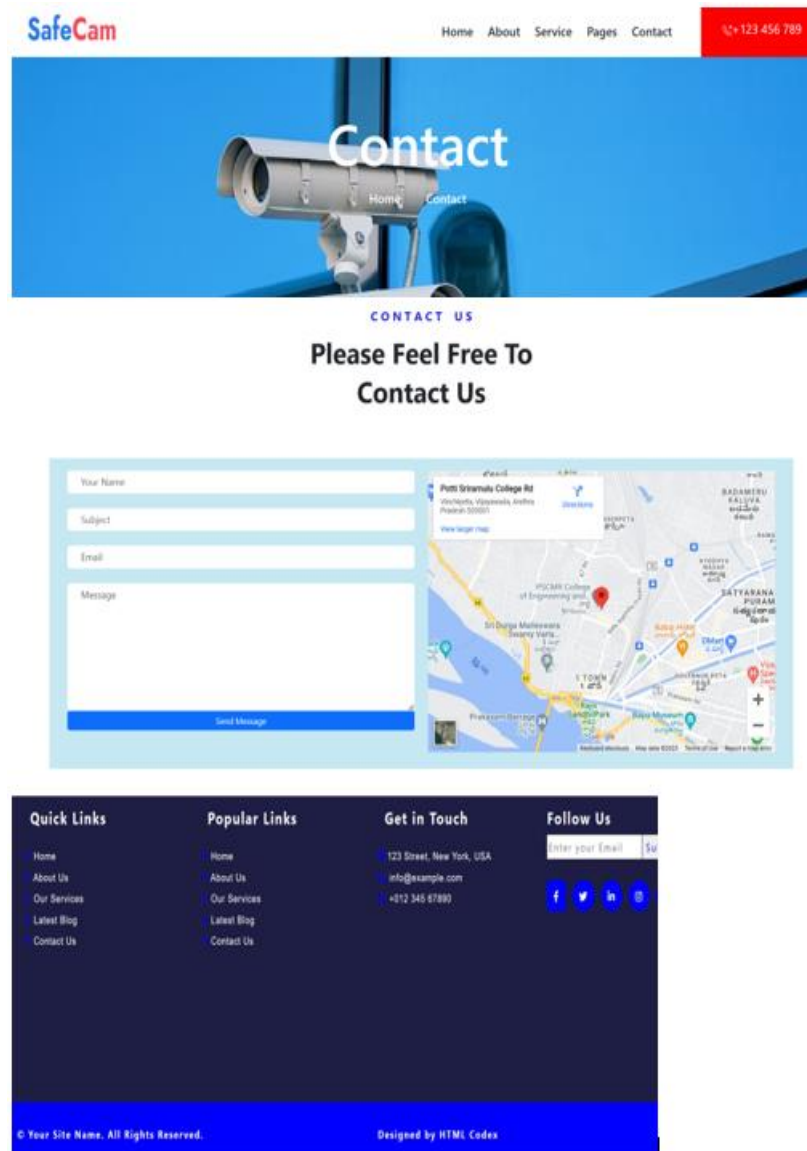


Fig: Contact Us Page

Source code links :

<https://github.com/SriHarshini/PROJECT-SAFE-CAM>