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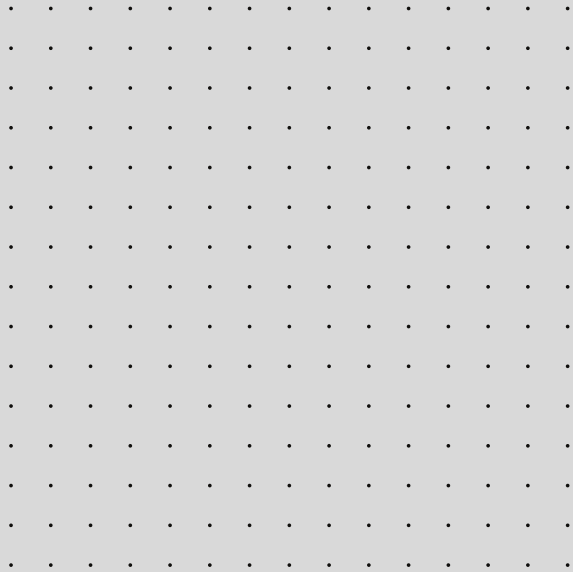
**Jatin Aggarwal**

ROLL NO.

**24BCON0212**

SUBMITTED TO:

**Mr. Pratik Pandey**



# **Web Programming Project**

06. May, 2025

# CERTIFICATE

This is to certify that the project entitled "**MacBook Air M3 Product Website**" is a bona fide work carried out by **Jatin Aggarwal** under the supervision of **Mr. Pratik Pandey** as part of the requirements for the course B.Tech Computer Science and Engineering, during the academic year 2025.

Jatin Aggarwal

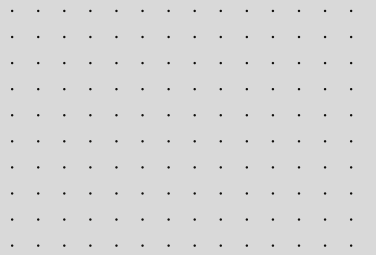
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# ACKNOWLEDGEMENT

I would like to express my sincere gratitude to my mentor, **Mr. Pratik Pandey**, for their invaluable guidance and support throughout this project. I also extend my thanks to my friends and family for their encouragement and feedback. Additionally, I appreciate the resources and tutorials available online that helped me in the development of this website.

Jatin Aggarwal

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# INDEX

1. Introduction
2. Objectives
3. System Requirements
4. Development Process
5. Website Features
6. Screenshots of the Website
7. Limitations
8. Future Enhancements
9. Conclusion
10. References

# INTRODUCTION

- **Brief Overview:** The MacBook Air M3 Product Website is a responsive and interactive website designed to showcase the features, design, and technical specifications of the MacBook Air M3. It serves as a marketing and informational platform for potential customers.
- **Purpose:** The purpose of this project is to demonstrate modern web development techniques, including HTML, CSS, and JavaScript, while creating an engaging user experience.
- **Target Audience:** Tech enthusiasts, students, and potential buyers interested in the MacBook Air M3.
- **Technologies Used:** HTML5, CSS3, JavaScript.

# OBJECTIVES

**Main Goal:** To create a visually appealing and functional website that highlights the key features of the MacBook Air M3.

## Specific Objectives:

- Implement smooth animations and transitions for an engaging user experience.
- Ensure the website is fully responsive across different devices.
- Provide detailed information about the product through an intuitive interface.

# SYSTEM REQUIREMENTS

03

## Hardware Requirements

- Processor: Intel Core i3 or equivalent
- RAM: 4GB or higher
- Storage: 100MB of free space

## Software Requirements

- Operating System: Windows 10/macOS/Linux
- Web Browser: Google Chrome, Firefox, Safari, or Edge (latest versions)

# OBJECTIVES

04



## PLANNING & DESIGN

- Created wireframes and mockups for the website layout.
- Defined color schemes and typography.



## FRONTEND DEVELOPMENT

- Developed the structure using HTML5.
- Styled the website with CSS3, including animations and responsive design.
- Added interactivity using JavaScript (e.g., scroll animations, smooth navigation).



## TOOLS/PLATFORMS USED

- HTML5 for structure.
- CSS3 for styling and animations.
- JavaScript for dynamic interactions.

# WEBSITE FEATURES

- **User Interface Features:**
  - Clean, modern design with a focus on aesthetics.
  - Smooth animations and transitions.
- **Navigation Structure:**
  - Fixed navigation bar for easy access to sections.
  - Smooth scrolling to sections via anchor links.
- **Key Pages/Modules:**
  - Hero section with a call-to-action.
  - Features section highlighting product specs.
  - Design and color options display.
  - Technical specifications grid.
- **Special Functionalities:**
  - Responsive design for all screen sizes.
  - Scroll-triggered animations.

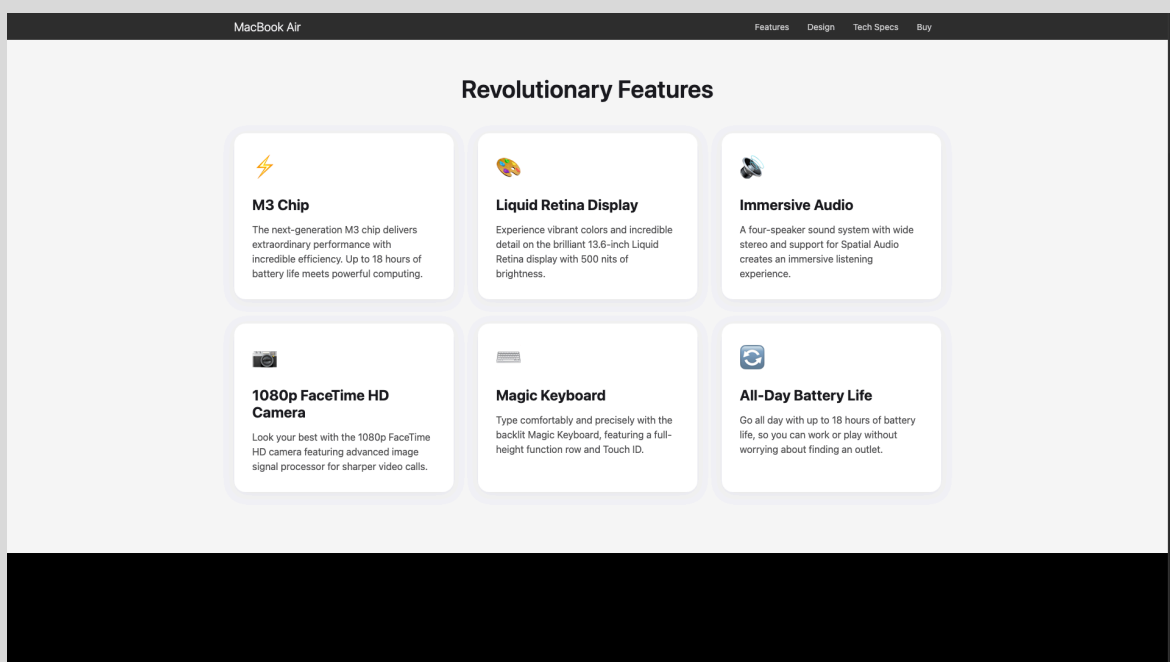


# SCREENSHOTS OF WEBSITE

## Main Section



## Features Section



## LIMITATIONS

- The website relies on JavaScript for animations, which may not work if JavaScript is disabled.
- Limited backend functionality (e.g., no user authentication or database integration).

## FUTURE ENHANCEMENTS

- Add a backend for user reviews and comments.
- Integrate an e-commerce functionality for direct purchases.
- Include a comparison tool with other MacBook models.

# CONCLUSION

09

This project was a great learning experience in modern web development techniques. I gained hands-on experience with HTML, CSS, and JavaScript, particularly in creating responsive designs and interactive elements. The website successfully achieves its goal of showcasing the MacBook Air M3 in an engaging and user-friendly manner.

# REFERENCES

10

- MDN Web Docs ([Add a backend for user reviews and comments.](#))
- W3Schools ([Add a backend for user reviews and comments.](#))
- Apple's official website for design inspiration.
- **Github** - <https://github.com/jatinaggr347/Project-Website.git>