

Internship Final Report

Student Name: Akash Selvaraj R
University: SRM institute of science and technology
Major: Btech Computer science - core
Internship Duration: June 1st, 2025 - June 28th, 2025
Company: ShadowFox
Domain: Android app Development
Mentor: Sreevanji
Coordinator: Mr. Aakash

Objectives

- Gain practical experience in Android app development using HTML, CSS, and JavaScript.
- Learn to build hybrid Android apps with web technologies.
- Develop skills in creating responsive, user-friendly app interfaces.
- Understand integration of web-based APIs in mobile apps.
- Collaborate with a team to deliver functional app features

Tasks and Responsibilities

- Developed app features using HTML, CSS, and JavaScript
- Designed responsive UI layouts for Android apps
- Integrated web APIs for app-backend communication
- Tested and debugged code for optimal app performance
- Participated in team meetings and code reviews
- Documented code and prepared feature guides

Learning Outcomes

- Mastered building hybrid Android apps with web technologies
- Gained proficiency in responsive design for mobile interfaces
- Learned API integration using JavaScript frameworks
- Improved skills in Git for version control
- Enhanced ability to write clean, maintainable code
- Understood agile teamwork and effective communication

Challenges and Solutions

- **Challenge:** Slow website loading on older Android devices

Solution: Optimized CSS and JavaScript for faster rendering

- **Challenge:** Inconsistent API data handling

Solution: Reduced API and Used JavaScript libraries for robust data parsing

- **Challenge:** Ensuring UI compatibility across Android versions

Solution: Tested on multiple devices with responsive designs

Conclusion

The ShadowFox internship honed my skills in Android app development using HTML, CSS, and JavaScript. It taught me to build responsive, user-friendly apps and tackle real-world challenges. This experience has prepared me for a career in hybrid mobile development

Acknowledgments

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