



PERSONALISED NEWS WEBSITE

Prranesh A, Sharvesh G, Ashwin A, Raghul Vignesh B V

1 student, Dept. of Computer Science and Engineering , Bannari Amman Institute of Technology, IN

2 student, Dept. . of Computer Science and Engineering, Bannari Amman Institute of Technology,IN

3 student, Dept. . of Information Technology, Bannari Amman Institute of Technology,IN

4 4student, Dept. . of Computer science and Engineering, Bannari Amman Institute of Technology,IN

-----***-----

Abstract - The personalized news website aims to revolutionize how users consume digital news by offering a tailored experience based on individual preferences, interests, and browsing habits. By leveraging advanced algorithms and machine learning models, the platform curates news content from various sources, ensuring that users receive real-time updates on topics that matter most to them. Users can customize their news feed by selecting specific categories, topics, or geographical areas, while also benefiting from recommendations based on their reading history. This dynamic approach not only saves time but also enhances user engagement by delivering relevant, high-quality content. The website features a clean, intuitive interface, real-time notifications, and interactive tools, such as saving articles and sharing content on social media, to foster an active and informed user base. Ultimately, the goal is to provide a seamless and personalized news experience that adapts to each user's unique needs, preferences, and lifestyle.

Keywords: Personalized news, Tailored experience, Machine learning

1. INTRODUCTION

A personalized news website addresses this gap by leveraging cutting-edge technologies such as machine learning, natural language processing, and user data analytics to curate and deliver content tailored to each user's preferences, interests, and reading habits. By analyzing patterns in the user's behavior—such as the types of stories they read, share, or save—the platform dynamically adjusts the news feed to present the most pertinent and timely articles. This not only saves users time but ensures that they are always up-to-date on topics that matter to them, whether they are interested in global affairs, technology, sports, or local news.

1.1 Background of the Work

The digital transformation of the media landscape has fundamentally altered how people consume news. With the rise of online platforms, users now have access to a constant stream of information from diverse sources, including traditional news outlets, social media, blogs, and independent

publishers. However, this abundance of content often leads to information overload, making it challenging for users to sift through vast amounts of news to find what is most relevant to them.

Traditional news websites typically provide a one-size-fits-all approach, delivering the same content to all readers regardless of their interests or preferences. While some platforms offer basic categories like politics, sports, and entertainment, they do not account for the nuances of individual preferences, leading to an experience that can feel generic and impersonal. As a result, users often struggle to keep up with the topics they care about while being bombarded with irrelevant information.

1.2 Motivation and Scope of the Proposed Work

The motivation behind this research stems from the critical role that bullet design plays in improving performance across military, law enforcement, and competitive shooting contexts. As projectiles are subjected to the complexities of high-speed flight, optimizing their aerodynamic properties becomes paramount for ensuring accuracy, range, and effectiveness. Traditional methods of bullet design often rely on empirical testing, which may not fully exploit the potential for enhancement offered by modern computational techniques. By focusing on the optimization of nose angles, this study aims to address the deficiencies in conventional design approaches. The nose of a bullet is particularly influential in determining the aerodynamic drag and stability during flight, making it a prime candidate for optimization. Utilizing computational fluid dynamics (CFD) allows for a detailed analysis of airflow interactions, enabling the identification of configurations that minimize drag and enhance trajectory stability. The scope of the proposed work includes a comprehensive evaluation of various nose geometries and angles, applying advanced numerical analysis techniques to derive optimal designs. This research not only seeks to improve bullet performance but also aims to contribute to the broader understanding of projectile dynamics, ultimately paving the way for innovations in ammunition design and engineering.

REFERENCES

- [1] "Numerical Simulation of the Aerodynamic Performance of Supersonic Projectiles with Various Nose Shapes"
- [2] "Aerodynamic Shape Optimization for Transonic Projectile Applications"
- [3] "Design and Analysis of Ballistic Projectiles Using Multi-disciplinary Optimization"
- [4] "Impact of Forebody Shapes on High-Speed Aerodynamics: A CFD Study"
- [5] "Aerodynamic Drag Reduction in High-Speed Projectiles via Nose Cone Modification"