

AptitudeHub: A Centralized Platform for Free Aptitude Skill Development

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Abstract: *In the modern educational landscape, aptitude skill development is critical for competitive exams, recruitment processes, and academic evaluations. However, current platforms are either financially inaccessible or lack a centralized and interactive approach. AptitudeHub aims to address these gaps by offering a free, locally hosted platform focusing on abstract reasoning, critical reasoning, and quantitative aptitude. It integrates features like interactive quizzes, performance tracking, and curated video tutorials to enhance learning outcomes. The platform is developed using the MERN stack, ensuring scalability, data privacy, and user-centric design. This paper reviews related works and presents a comparative analysis of the proposed system with existing solutions, highlighting its contribution to democratizing education.*

Keywords: AptitudeHub, abstract reasoning, critical reasoning, quantitative aptitude, MERN stack, interactive quizzes, performance tracking, free educational resources, user feedback, digital education.