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**Automated Tag Prediction for Expert Identification and
Knowledge Sharing in Stack Overflow:
A Machine Learning Approach**

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Automated Tag Prediction for Expert Identification and Knowledge Sharing in Stack Overflow: A Machine Learning Approach

Abstract:

Stack Overflow, an online community-driven platform, is an effective ecosystem for knowledge sharing among software developers. It is important to post right questions to the right people, which requires a robust system of knowledge sharing that connects developers with the right experts and facilitates collaboration on problem-solving. The paper identifies the key feature of Stack Overflow's system of tags and categories as a fundamental aspect of knowledge organization and information retrieval. The tags and categories system is crucial for enabling users to find information more efficiently and effectively, fostering an ecosystem of knowledge sharing and collaboration among developers. The paper proposes the use of tag prediction as a means to identify experts in the platform, making a significant contribution to the field of knowledge sharing and collaboration among software developers.



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