SYNOPSIS

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Project Title: Classification and Recommendation of Experts from GitHub and GitLab Platforms.

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The world is blooming with huge technologies and this made everyone in the universe work smart, as there is a saying that 'Necessity is the Mother of Invention' according to the quote, necessity involved in mankind is hugely responsible for all those inventions of new technologies. In the same way, Machine Learning comes into the picture in which the machine mimics humans to some extension. This project is based on suppressing the risks faced by many of the recruiters during the interview process, in which every time the recruiters have to scan every resume with their naked eye and will ask questions related to some technical domains in which the candidate may or may not be familiar. To avoid this kind of misconception and focusing on the candidates experienced part make the candidate who approaching for the interview more confident. In order to achieve this, some new approaches have been involved in this project. The main objective is to collect some of the candidate details, from that information to predict which field does the candidate is experienced with more hands-on projects according to the prediction result the respective candidate may get the interview call from the recruiter in a specific domain and the candidate can attend the interview very confidently with the help of their previous projects.

Specific Contribution: This project has been accomplished to assist the companies, when they use to involve in hiring process helps them by recommending the desired developers with the some hand-on experience.

Specific Learning: Random Forest Classifier, Naive Bayes Classifier, Recommending to the recruiters from the backend, Flask framework.

Technical Limitations and Ethical Challenge faced: At the initial stage the website consumes time to load and at the recommendation phase it takes time to fetch records from the database.

Keywords: *Random Forest Classifier, Naive Bayes, GitHub, GitLab, Technical experts.*

Signature of the Student **Signature of Guide**

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