Engineering Buddy (A Comprehensive Platform for Engineering Students)

Abstract:

Master in Programming Problem Solving is the demand and need of every Company when it comes to placement. Many students get stuck with the problems and find it difficult to cope. It results in discouragement, and one may lose interest in problem-solving. A lot of students are stuck while programming. Helping those students through an interactive platform where they can have live chats with the programming experts is the main goal of our project. This will help them to solve a lot of problems and resolve their queries. This website will not only help students prepare for the placements but also provide a portal through which they can apply for the Job openings available in various companies. This web page will help a lot of students by enhancing their programming knowledge which will indeed help them to get a better job.

Introduction:

There are lots of websites that provide great resources and platforms for practicing coding problems. This allows learners to enhance their coding skills and excel in their field but while practicing/learning a common problem faced by people is that they may get stuck on a specific topic/problem which may consume a lot of time to get resolved/clarified. So, to tackle this problem many people make use of Discord and similar apps/websites to connect with other people across the internet who may help resolve their doubts. This may be a good solution but finding people with similar interests and who might help is rather a tedious job so to encounter this problem we have our website which helps users to not only get prepared for interviews by providing them with good resources but also have live chatrooms where people can discuss their doubt with other folks. Our website also allows users to apply to various job openings in different companies and help recruiters shortlist the desired candidates by ranking them according to the keywords provided through algorithms like TFIDF. So, our website Engineering Buddy is a one-stop solution for an engineering aspirant seeking a good JOB.

Literature Review:

In 2016, the Design and Implementation of Web-Based Real-Time Chat Interfacing Server was published by Author Diotra Henriyan; Devie Pratama Subiyanti; Rizki Fauzian [1]. In this paper, the authors proposed a chat application built using Node.js, Socket.io MongoDB and java. Chat applications built with Node.js, MongoDB, and Socket.io run much faster in order to achieve real-time chat applications compared with the chat application built with PHP and MySQL. Its only limitation is that it can be only used by less than 100 people (for testing purposes).

The Research on Integrated Authentication Using Password Less Authentication Method was published in the year 2017 by authors Michitom o Morii, Yosuke Seki [2]. In this paper, the authors examined the feasibility of the authentication system with Shibboleth and FIDO, and the system provided password-less authentication. An experimental authentication system has two phases, the registration phase, and the authentication phase.