Vedantu

MSc.IT Internship Report

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INTRODUCTION

ABOUT VEDANTU

Vedantu is India's leading Online tutoring company which enables students to learn LIVE with some of India's best-curated teachers. Vedantu's USP is its quality of teachers. It has some 500+ teachers who have taught more than 1 Million hours to 40,000+ students spread across 1000+ cities from 30+ countries. Vedantu is founded by IITian friends who have been teachers themselves with over 13 years of teaching experience and having taught over 10,000 students.

Vedanta's online tutoring platform enables LIVE interactive learning between a teacher and a student. It offers individual and group classes. On Vedantu a teacher is able to give personalized teaching using two-way audio, video and whiteboarding tools where both teacher and student are able to see, hear, write and interact in real-time. Imagine it like 'Skype' custom made for education. Vedantu caters to 6th grade to 12th grade and prepares for school boards, competitive examinations and has co-curricular courses as well.

ABSTRACT

This document presents a summary of the internship period undertaken as part of my fourth-semester project. This document gives an insight into the project that I worked on as a part of my internship period. This document includes the introduction, scope, contribution, relative diagrams and other project details.

Acknowledgement

This internship has been a great mode of understanding and putting to the practice what was covered during the academics. It has also been a valuable experience for me in real times of real-life work in the MSc.IT which has helped me to prepare to apply myself better and become a successful IT professional. Of Course, all this was not possible without the support and guidance of many people, and hence, I would like to take this opportunity to acknowledge their support towards me.

I am thankful to Prof. Manish Khare for his invaluable encouragement and inspiration and being a guide throughout the MSc.IT program. I am thankful to my mentors Mr Manish (Tech lead, Vedantu), Mr Rahul Kumar and Mr Bhavesh Goyal for their excellent guidance and extreme patience which helped us a lot with the internship.

During this internship, I have received immense support and assistance from all the intellectual and helpful colleagues. Our heartfelt thanks to all our colleagues and we wish them the best for their future. Apart from this, I wish to acknowledge our academics tutors who have mentored me throughout.

SCOPE STATEMENT

According to the requirements, we first plan the design layout for frontend and then execute. There are basically two teams- Mobile and Website, I worked for both. The task is to design the whole platform responsive and dynamic.

DETAILED USE CASES THAT HAVE BEEN IMPLEMENTED

1. Design pages for the website
2. Creating popups for mobile
3. Introduction to react
4. Introduction to Angularjs
5. Creating a new feature in their tools using angularjs
6.API integrations

PROGRAMMING CONTRIBUTION

1. Design pages for the website-
   Design there front-end pages using html, css and javaScript.
2. Creating popups for mobile-
   Responsive popups creation which will only be compatible for mobile screens.
3. Introduction to react
4. Introduction to Angularjs
5. Creating a new feature in their tools using angularjs-
   They have their own tools platform where I created a feature called Manual enrollment and Backend-configuration.
6. Fetching data and using that to render feature using react.

TOOLS, TECHNOLOGIES, APIs USED

- Visual studio code
- GIT
- JIRA
- React
- JavaScript
- Angular
- HTML, CSS
- Vedantu Tools
- Redis
- APIs used: 1. /lms/admin//getAllRedisCategories : to get all categories.
            2. /lms/admin//getAllMatchingKeys?: get all matching keys for a category
      3. /lms/admin/setRedisKey : set key value in redis
      4. /lms/admin/getRedisValueForKey: get redis value for key

  5.https://storage.googleapis.com/vedantu-fos-qa/metadata/education-boards.json

LESSON LEARNT

- How to work in an effectively professional environment.
- How to apply the knowledge practically which you learned while studying.
- How to understand previously written code and continue to work on that.
- It is important to have knowledge of the domain in which you are working.
- Learnt react and angularjs

- How to write code structurally correct.