Rishi Saimshu Reddy

4th year undergraduate student at
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Work Experience

DevX Intern • Cohesity Storage Solutions

July 2021 - Jan 2022

-> As a DevX intern at Cohesity, I worked on improving the existing product development workflow of in-house engineers.

-> I created command-line tools shortening the workflow of doing certain tasks into a simple one-line command.

-> I worked on improving the usability of the resource management portal company by reducing the number of steps in reserving multiple resources at the same time.

-> I worked on improving the web app of an in-house tool mainly by making the tables query data in a paginated way, so that a huge number of rows are now displayed in multiple pages of fewer rows, enabling faster loading of the page and also easier for the user to read the table. Also worked on UI aspects to make it uniform with other web apps of other tools.

Software Engineer Intern • Centre for Development of Imaging Technologies

June 2020 - July 2020

-> The target was to build an LMS that is accessible and usable by all levels of students coming from a wide range of backgrounds during the covid-19 pandemic.

-> I worked with my team to analyze all the information and then design, determine, recommend, and plan the development and installation of the new system with the company I interned with.

Software Engineer Intern • Excella Technologies

June 2019 - July 2019

-> Worked on building a blood donation app that is intended to connect donors to patients in need and thus reducing the dependency on blood banks.

-> Designed the flow of the app and created prototypes. Improved the designs after taking user reviews and documented the final design details before sending them to be developed.

May 2019 - June 2019

-> Worked on a Website that bridged the gap between newspaper classifieds and online postings

-> Developed/validated test routines to ensure that test cases mimic external interfaces and address all browser and device types. Making sure all user flows are clean, intuitive and any task can be completed error-free and with ease

-> Performed planned website tests after any website or product revisions.

-> Identified problems by testing or customer feedback, and referred the problems to appropriate personnel for correction, also recommended performance improvements when found.

Projects

Asset Management using Blockchain

April 2021 - May 2021

Designed a blockchain model for managing and transferring ownership of assets. Implemented using Java.

Each transaction made (asset purchased) will be validated by verifying each transaction in the chain. Blocks with signatures verified by SHA-256 are added to the previous Block.

Ratatouille

January 2021 - May 2021

Ratatouille provides a platform for talented and skilled cooks to monetize their skills and people looking for affordable and original food to come together.

Designed and Developed in an Agile development environment, the platform built using the MERN stack provides chefs to put up a shop and foodies to order from them while also providing a forum to allow all types of users to share their passion for good food.

Literature Survey on Intelligent Assistive Interfaces

Sept 2020 - Oct 2020

A deep literature review of the latest developments in the field of Computer Vision aided Intelligent Assistive Interfaces. Intelligent assistive interfaces can be looked at, as the meeting of HCD techniques with the technologies of today like CV,NLP,AR/VR etc and how the working of these two fields in sync has given users an opportunity to fundamentally re-imagine how we can communicate with technology, information and our surroundings

Computational Attention Modelling on Webpages

Aug 2020 - Nov 2020

Development in the time-complexity of the Scanpath Trend Analysis algorithm that helps in generating the trending scan path of a user eye-gaze on a webpage faster.

Personal Safety App

Aug 2020 - Nov 2020

A carefully designed prototype of an app which provides essential/emergency help services with the least number of clicks for the user in danger while ensuring user privacy and operatability on low end mobile devices.

Fire Extinguishing Bot + RC App

January 2020 - April 2020

Built a small prototype of a remote control robot that carries an extinguisher on top and extinguishes fire on detection through actuation of a motor (resulting in pressing of the handles). Live feed from an inbuilt camera in the front helps the Firefighter to navigate it through fires instead of risking themselves by entering the fires.

Cab Booking Application

Sept 2019 - Nov 2019

Designed a GUI application for booking a cab with different interfaces for both driver and customer. Both entities are provided with a wallet to add and transact money.

The nearest cab was assigned to the passenger (using Djiktras algorithm while assuming the roads formed a graph with the pickup point as nodes) and a fare with an estimated time of arrival was calculated for the passenger.

The project was built using Java, PHP and MySQL

Education

2018 - 2022

Birla Institute of Technology and Science

Bachelors in Engineering Computer Science
Current CG: 8.41

2016 - 2018

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Higher Secondary
Aggregate Percentage: 97.4%

2012 - 2016

Kennedy High the Global School

Secondary
CG: 10

Skills

Proficient in

- Prototyping
- Usability testing
- Front-end Development
- API development
- Data Structures and Algorithms
- Computer Architecture

Languages

- C
- C++
- Java
- Python
- goLang
- HTML + CSS + Javascript
- SQL

Libraries and framework

- NodeJS, ReactJS
- MERN
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