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Venkata Vamsi

Computer Science and Engineering · IIT Kharagpur · 18CS10012

EDUCATION

Indian Institute of Technology, Kharagpur
2018 - 2022 (expected)

B.Tech in Computer Science and Engineering

· **Courses Completed** : Programming and Data Structures, Algorithms - I, Switching Circuit and Logic Design, Software Engineering, Probability and Statistics

· **Online Courses** : Machine Learning (Coursera), C# programming and Unity (Coursera), Amazon EC2 Master Class with Auto Scaling & Load Balancer (Udemy), iOS App Development with Swift (Coursera)

TECHNICAL KNOWLEDGE

· **Languages**: Javascript, C, Python, C#, Swift, PHP, Shell Script, Matlab, Java, XML, MySQL

· **Frameworks**: JavaScript: React, ReactNative , NodeJs, Angular, ExpressJs, Redux, Bootstrap · Python: Flask. pyrebase

· **Tools and Services**: Firebase, Git, AWS, EC2, Nginx, Postman, Android Studio, Xcode, Unity, Mondodb, NPM, Google Cloud, IBM Watson, Studio,Octave, NoSQL

EXPERIENCE

National Artificial Intelligence Resource Portal (NAIRP) Centre for Excellence in Artificial Intelligence,IIT Kharagpur
Full Stack Developer intern   Intern (Dec 2019 - jan 2020, April 2020 - ongoing) , FreeLancer (jan 2020 - March 2020)

· Worked under Prof. Sudeshna Sarkar and Prof. Partha Pratim Chakrabarti, CSE, IIT Kharagpur

· Developed FullStack modules and prototypes for User Subscription and Solr Search Result Filtering, Objective Exercise module etc with schemas design , Made UI for the Software .

· Integrated AWS Sage maker compute module micro services to the Portal with live streaming from AWS database for live updating of instances and its states .

· Made under MERN stack

Prodeo (AI-enabled LIVE teaching and learning platform)
Remote Startup , India
Software Engineer intern   Intern (July,2020 - ongoing)

· Shifted the complete software from SQL to Realtime Firebase Database with Authentication Enabled from Firebase for more efficient streaming of live changes

· Hosted the complete software using NGINX and GUNICORN3 in Ec2 with t2.micro state type (MVP) with Auto Scaling and Load Balancing for handling traffic

· Worked on UI / UX of the software completely in Flask with Libraries Pyrebase and Bootstrap Framework

Mivo Solutions
Jubilee Hills, Hyderabad, India
App Developer intern   Intern (July 2019 -August 2019)

· A Client to User interactive Software for Astrology cases and Predictions

· Worked on the complete wireframes and UI part of the App with no external UI frameworks used

· Made the Complete Ui of APP with over more than 15+ interfaces with multilingual languages set

· Integrated with SQL database and php backend

PROJECTS

Rappel (Location based reminder for daily)

· Project under prof. Debasis Samantha CSE, IIT Kharagpur

· Made a full working software which takes geolocation of user and computes his geolocation distance from the task area and sends him push notification reminding his work at that particular area

· Enabled user to user interactivity in assigning tasks and checking his task progress

· Made with booming technologies like Google maps API, Firebase , React Native , Paperlo etc

Dikhu

· Gives the nearest and safest area for the user when there is a Tsunami around with the height of the wave getting calculated from the measures of seismograph data
· training past 3000 datasets producing a 98.01% accuracy for the next prediction for the safety measures of people from natural calamity
· Made with React Native , IBM cloud , Google maps

Apnainsti

· An App which makes students of IIT Kharagpur to access all the resources of the Institute in a Single App.
· made with React native with smooth flow of UI / UX with around 10 screens

KgpAmica App

· The app which is used by kgp students to enhance their curriculum skills by providing all the required material at one place .
· Released in play Store and made with React Native with a span of 35hrs

E-Saathi

· Gold winning Team in InterIIT.
· made a working prototype which gives a direction for the uneducated to get into the world of technology.
· The app makes an interoperability with the apps in the local system and can give guidance to use it with speech of bot .
· Also uses AR for giving the direction for the usage of hardware machines. Integrated Unity package into a basic Android SDK.

PARTICIPATION/ACHIEVEMENTS

· Founder of App development Club , IIT Kharagpur with a team of 6 members aimed to work in App development and Spread the technology and robustness of the technology
· Participated in Inter IIT tech , Ashoka Tech for Change in year (2019) working as App developer and Achieved Gold medal in the challenge
· Selected as Gymkhana Tech Team member and worked as a app developer for the applications of Gymkhana integrating and converting all the web technology created for institute to mobile application with booming frameworks
· Participated in Green Hackathon by IBM and successfully submitted the working prototype for the given Problem Statement.
· Selected for internship at Engineers Hub out of 300 from Andhra pradesh and Telangana students twice (2018 , 2019)
· Participated as a Core developer in Inter Hall Open Soft Challenge for developing a Legal Search Engine for Law Experts and Commoners where the prototype works as follows , On providing the basic keywords that describe the ongoing case, the system shall return relevant prior case documents
· Participated in Hacktober fest and selected for the prize by completing the four valid Pull Requests in year 2019
· Participated in "Code-O-Soccer", a simulation-based strategic coding event in kshitij (Tech fest of IIT Kharagpur) made successful and working MVPs in the years 2019 and 2020
· Selected and worked as Wing Representative to my respective wing-mates in Rajendhra Prasad Hall of Residence
· Mentored in a Unity conference held in IIT Kharagpur in 2019
· Volunteered Kshitij (Tech fest of IIT Kharagpur) as guest recipient in 2019
· Part of Gold winning Illumination team of Rajendhra Prasad Hall of Residence , IIT KGP 2018, 2019

HOBBIES

Badminton · Share Marketing · Photography · Skating · Automations