TEJAS MADAPPA

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ACADEMIC QUALIFICATION

Pursuing Master of Science Computer Engineering San Jose State University, CA, 2018-2020.
B.Tech **in Electronics and Communication Engineering** , Amrita School of Engineering, Bangalore, India, 2013-2017
Coursework: Data Structures, Computer Network Design, Network Security, Enterprise Software Platforms, Computer Architecture

SKILLS

- Programming Languages: Python, Java, HTML, CSS, JavaScript, PowerShell, Shell scripting
- Web Programming: ReactJs, NodeJS, Spring Framework, AngularJS, MongoDB
- Data Science Tools: PyCharm, Jupyter Notebook, Anaconda, NumPy, Matplotlib, Scikit, Nltk
- Tools: GitHub, SDK, Eclipse, Buildroot, Putty, AWS, Docker, Postman, Excel, Power Point
- Operating Systems and server: IOS, Linux, Windows, Raspberry Pi, Load Balancer, Nginx, Windows Server
- Protocols : AMQP, MQTT

WORK PROJECT

5BARz RMS (Remote Management System), Team size: 5   March 2018 – July 2018

- Development of Frontend end using ReactJS and Spring Framework Backend deployed on AWS.
- Deployment on AWS EC2 instance with Docker management. Implemented MySQL queries. Troubleshooting using Postman.
- Technology stack: Spring Framework, AngularJS, ReactJS , Linux, Windows Webserver

5BARz Universal Cookie and Browser Extension, Team size: 4   July 2017- Feb 2018

- Worked on JavaScript Universal cookie and Client side storage.
- Implemented API to call the cookie drop reducing deployment time by 40%.
- Advertisement blocking, Built Extension for Web Browsers to communicate with IoT Hub. Handled Frontend and Backend.
- Resource logs sent to AWS S3 bucket for analysis. Documentation of Project on completion. Worked on Data Representation using D3.js
- Technology stack: JavaScript, AWS S3 bucket, AWS EC2 Cookies, Client storage, C++

ACADEMIC PROJECTS

Online Retail Web Application

- Distributed online shopping platform for AR-VR products.
- Frontend using ReactJS and Backend using NodeJS deployed on AWS.
- Secure login with product suggestions based on user preferences.
- MySQL queries for database implementation.

Enterprise Network using Raspberry Pi San Jose State University Team size:10 August 2018-December 2018

- Apache webserver to host static and dynamic website and connect to larger network with DHCP, DNS, router and Mail server
- Tcpdump debugging of web traffic. Handling maximum queries to server and functions of load balancing.

  Technology stack: Apache webserver, Dnsmasq

5BARz IoT Hub, Team size: 6   December 2016 – May2017

- Network packet crafting and management using Python Scapy. Implementation of Data consumption module.
- Developed Android application to control IoT Hub. Two-Factor Authentication for mobile device setup.
- Implemented push notifications for the app. Carried out integration of IoT Hub with fire alarm.

INTERNSHIPS & HACKATHON

- Development of Kodava Koota (Community)Website using ReactJS and NodeJs.https://www.kodavas.org
- Cisco Machine Learning Hackathon- Finished in the top 10 team with 100 teams participating using Elastic Search.   October 2018
- Summer Internship on **Internet of Things and Smart Devices**, Bangalore   May-Jun 2015
  Technology stack: Arduino, Mobile Apps, Raspberry Pi, HTML, JavaScript, jQuery, CSS.