Raju Yallappa

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SUMMARY

Experienced full stack developer having intense knowledge in web development and machine learning, aiming to be a part of developing best applications.

EXPERIENCE

Graduate Research Assistant – Wichita State University, Wichita, KS, USA   **08/2021 – Present**

- Used Selenium to develop an automated tool in python to perform web scraping and pull the required data from the highly scalable websites and queried more than **100000 rows** of data.
- Used Transformers to obtain pretrained models like **BERT**, **RoBERTa**, **GPT-2**, and **T5** to perform binary classification and NLP tasks on twitter airlines data.
- Worked on Twitter research tools which includes features like Clustering, Mapping and Sentiment Analysis**.**
- Developed a web scraping application to find fraudulent hotel reservations and deployed it on a **High-performance Computing machine (HPC)** to achieve multithreading and parallel processing.

Software Engineer – Rakuten, Bangalore, India   **01/ 2020 – 01/ 2021**

- Developed a user interface for a **KPI management tool** from scratch which automates the complete SDLC process helping more than **5000** Rakuten employees across the globe.
- Developed easy to use, dynamic and browser compatible **single page application (SPA)** using ReactJS, HTML5, CSS3, REST APIs and integrated with Redux architecture for creating data layers for unidirectional data flow.
- Saved **10-man hour** every week by integrating all the futures of different departments into one application.
- Integrated webpack, lazy loading and code splitting which drastically **reduced** the application load time by **15%.**
- Knowledge on **React Design Principles**, deploying applications with **Jenkins CI/CD pipeline**, **Spring MVC** design pattern, dependency injection and integrating controller endpoints with UI.
- Experience in unit testing, mocking, agile development, writing user stories, sprint planning and creating UI wireframes.

EDUCATION

Master of Science in Computer Science   **01/ 2021 – 05/ 2022**

Wichita State University, Wichita, KS, USA, Grade – 3.58

Bachelor of Engineering in Computer Science & Engineering   **08/ 2016 – 05/ 2020**

Reva University, Bangalore, KA, IN, Grade – 3.6

SKILLS

- **Programming Languages:** Python, JavaScript, Java, C.
- **Web development:** ReactJS, Redux, NodeJS, JS, Selenium, Webpack, Bootstrap, HTML, CSS.
- **Database Management:** MySQL, MongoDB, Microsoft SQL Server.
- **Machine Learning:** OpenCV2, TensorFlow, NLP, MobileNet, CNN, Image processing.
- **Tools:** Jupyter, Selenium, Swagger, Visual Studio Code, Git, Adobe Photoshop, Eclipse.
- **Operating System:** MacOS, windows, Linux.

PROJECTS

- **COVID tracker -** https://covid-19-tracker-9056.web.app

  Technologies used - ReactJS, Firebase, SQL, HTML, Swagger and CSS.
- Web application for tracking various information related to covid-19.
- **YouTube Clone -** https://hungry-hodgkin-b1e6ff.netlify.app/

  Technologies used – ReactJS, Redux, YouTube API, Netlify.
- Web application which can stream up to 10000 YouTube videos per day.
- **Twitter Research Tools -** https://github.com/rossgritz/twitter_research_tools

  Technologies used - pandas, matplotlib, clustering, numpy, web scraping.
- These tools can be used for collecting streaming twitter data, cleaning the data, and for descriptive analysis of the data.
- **Face Mask Detection -** https://github.com/raju9056/Face_Mask_Detection

  Technologies used – TensorFlow, MobileNet, OpenCV2.
- Detecting the face and applying the pretrained model to predict the mask in real time using a system inbuilt web camera.

AWARDS AND CERTIFICATIONS

- **SPOT** award for Excellence from **Rakuten**.
- **AWS Cloud Practitioner** certification from **Udemy.**
- **Modern React with Redux** certification from **Udemy.**
- **Full Stack web** certification from **CODINZA.**
- **Mastering Data Science and ML fundamentals** certification from **Udemy.**