Akash Selvakumar

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EDUCATION

University of Maryland, Baltimore County — ***Baltimore, MD***
MS in Information Systems, ***GPA – 3.97 / 4*** — *Expected: May 2021*
St. Joseph's College of Engineering — ***Chennai, India***
BE in Computer Science — *May 2019*

TECHNICAL SKILLS

Programming:	*Java, Python, Ruby*
Front-end:	*HTML, CSS, JavaScript, ReactJS, VueJS, React Native, Bootstrap*
Back-end:	*Servlet, Sinatra, Flask, NodeJS, Express, Django*
Database:	*Oracle, MySQL, PL/SQL, MongoDB*
Others*:*	*Git, Firebase, AWS, Docker, Selenium, PySpark, Jupyter, JMeter*

WORK EXPERIENCE

Software Engineer Intern, ***FRESHWORKS*** — India, Feb 2019 - May 2019

- *Created an administrative tool similar to PHP MyAdmin with VueJS and Ruby Sinatra to perform CRUD operations reducing data access time to 1 second.*
- *Developed a component that fetches data from any table in the database and display the results with an elegant UI reducing 100's of lines of monotonous code.*
- *Visualized the data using HighCharts library for the users.*

Web Application Development Intern*, HASURA* — India**,** Nov 2017 - Feb 2018

- *Worked as part of a team that developed a Paypal Express Checkout service for ecommerce applications.*
- *Developed the checkout gateway user-Interface using ReactJS and Material Design.*
- *Cloned Twitter's User-Interface using ReactJS and Material Design as part of an Individual project.*

ML and AI lab Student Worker*, UMBC* — Baltimore, June 2020 – Aug 2020

- *Built a CNN model to detect Covid-19 from x-rays and deployed it as a web app using Flask.*
- *Developed a hybrid app to serve results of any hosted ML models using Firebase and React Native Expo.*
- *Deploying machine learning models as REST API's.*

Freelancing:
A website of information about nano-crystals: https://singhmstech.com.

PROJECTS

Phishing Detection:
Detecting phishing network using machine learning algorithms like XGBoost, MLP and Random Forest Classifier.
Covid_Detect:
A cross-platform mobile app to predict Covid-19 from X-rays using Convolutional Neural Networks, React Native, Flask and Firebase.
Spot*:*
An android app for identification of crop diseases using Convolutional Neural Networks and Image Processing.
***Voice-Bot 2.0*:**
A Machine Learning based voice bot solution for Customer Support using Python and Google Speech Recognition.
Crypto-Rate:
A *Server-less web application to learn about crypto currency rates and more using ReactJS.*
Portfolio: *My online portfolio web application: https://akash97s.github.io.*

RECOGNITIONS

- ***Finalists*** *of Smart India Hackathon 2018 conducted by the Government of India.*
- ***Top 5%*** *in IMAD exam by HASURA and NPTEL.*
- *Won various technical competitions in colleges like IIT, MIT, Satyabhama University etc.*