

# Akash Selvakumar

4806 Fernley Square Baltimore, MD 21227 | (667)-802-9642 | akashs1@umbc.edu

## EDUCATION

**University of Maryland, Baltimore County**

MS in Information Systems, **GPA – 3.95 / 4**

**St. Joseph's College of Engineering**

BE in Computer Science

**Baltimore, MD**

Expected: May 2021

**Chennai, India**

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  
**Database:** Oracle, MySQL, PL/SQL, MongoDB  
**Others:** Git, Firebase, AWS, Docker, MS-Office, Selenium, Netbeans, Android Studio

## 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

- Building machine learning models and for various use cases.
- Integrating models into a web application and making it accessible over the UMBC network.
- Developing API and apps to make the projects accessible.

**Freelancing:**

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

## PROJECTS

**Covid\_Detekt:**

A React Native application to predict Covid-19 from X-rays using *Convolutional Neural Networks and Flask*.

**Covid\_Detect:**

A web application to predict Covid-19 from X-rays using *Convolutional Neural Networks and Flask*.

**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*.

**Twitter UI:** A User interface clone of Twitter using ReactJS and Material Design.

**PayPal Express Checkout:** An express checkout gateway using PayPal in websites using ReactJS and Flask.

**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.