# Vismaya Veeramanju Kalyan

Chicago, IL ● (312) 522-6662 ● vkalyan@hawk.iit.edu ● linkedin.com/in/vkalyan15 ● github.com/vismaya-kalyan

## EDUCATION

| 2018-2020 | **ILLINOIS INSTITUTE OF TECHNOLOGY** | Chicago, IL |
|---|---|---|
| | *Master of Computer Science (Received a Graduate Pathway Scholarship)* | GPA 3.8 |

Course work: Software System Architecture, Web Applications, Data Mining.

| 2013-2017 | **SJB INSTITUTE OF TECHNOLOGY** | Bangalore, India |
|---|---|---|
| | *Bachelor of Engineering in Computer Science and Engineering.* | |

## SKILLS

Python, Java, JavaScript, HTML5, CSS3, MySQL, Django, Git (Intermediate)
Java EE, Spring MVC, Hibernate (Beginner)

## EXPERIENCE

**Jun19-Aug19**    **BLOCKLIGHT**    **1871 Chicago, Illinois**
*Full Stack Developer Intern*

- Implemented custom modules in *python* using the *Django* framework to connect to third-party APIs like Facebook Insights API, Instagram API and ShipStation API.
- Built and maintained data pipelines between front-end analytics dashboard and the backend MySQL database.
- Collaborated with the front-end developers to establish objectives and design more functional, cohesive code to enhance beta user experience.
- Contributed to fixing critical bugs which stabilized the platform to resume onboarding beta users and worked on new issues encountered. This aided in successfully sourcing funding at the end of the summer.
- Helped repair technical issues with the dashboard, added features and generated new business metrics which helped the company successfully complete a Silicon Valley accelerator program with Unbank.Ventures.

**Dec17- Jun18**    **RX DIGI HEALTH PLATFORM PVT. LTD**    **Bangalore, India**
*Software Developer*

- Developed an android application that uses *Android Bluetooth API* to remotely control a vision screener.
- Implemented an interface to handle the input from a wireless Bluetooth controller and process a video feed accordingly in a low vision aid application that uses smartphone-based VR. *(Android, JAVA)*

**Jan17 - Jul17**    *Intern*

- *Retrained inception v3 (CNN)* using *TensorFlow* to recognize 7 segment digits. Developed an android app which captures the image of devices, processes it using *OpenCV* and uses the trained model to get the reading. *(Python, Java)*

## PROJECTS

- Developed a Customer Relationship Management System which allows user to add, update, delete customers. This was implemented using *Spring MVC, Hibernate and MySQL database*.
- Vending Machine System - Model Driven Architecture: Designed and Implemented a system which can work for separate models of Vending Machine. The Architectural patterns used for this project are State Pattern, Abstract Factory Pattern and Strategy Pattern. The Class Diagrams, Sequence Diagrams and purpose of each Class was documented. *(JAVA)*
- Data Collection and Analysis using Twitter API - Included collection, preprocessing of data, performing community detection to cluster users, perform supervised classification to annotate tweets with their usernames. *(Python)*
- Completed a project on detection and localization of potholes in Asphalt Pavement Images using Histogram of Oriented Gradients and contour detection. (*OpenCV*, python)

## PUBLICATIONS

"A comprehensive review on traffic prediction for Intelligent Transport Systems" IEEE (ICRAECT)

"Application of Neural Networks in mobile devices for inferring readings from medical devices" IJRSI - UGC Approved journal.