

# ABHISHEK SHESHAGIRI

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## EDUCATION

- **Master of Science, Computer Science** Springfield, IL  
*University of Illinois at Springfield* May 2020
- **Bachelor of Engineering, Computer Science** Shimoga, Karnataka, India  
*Jawaharlal Nehru National College of Engineering* July 2017
- **Android Developer Nanodegree Program** Udacity.com
- *Online certification for Android developers with experience in developing mobile applications in Java* May 2020

## WORK EXPERIENCE

- **Information Technology Services** University of Illinois, Springfield  
*Graduate Student Assistant with Tuition Scholarship* August 2019 - Present
  - **Mobile Development:** Developing hybrid mobile apps in Flutter to make the campus go digital
  - **Web Development:** Developing web applications for the campus in Laravel PHP using Vue and Quasar frameworks
- **Radiant IT World** Shimoga, Karnataka, India  
*Mobile Applications developer - Best Employee, 2018* February 2018 - November 2018
  - Worked on an image-based social-networking application where reduced the image fetch and upload time by nearly 60 percent by using Volley instead of Retrofit and Glide libraries
  - Developed two Hybrid mobile applications using React Native. Apps were developed for Android and iOS platforms with flex layouts and normal layouts and Worked on retrieving data from JSON response using REST APIs to parse it to UI modules. The apps were only 1.1 MB and 1.6 MB in size which increased its overall performance by 70 percent even on low latency (2G and 3G) networks
- **Pyplyn** Bangalore, India  
*Android Developer - Full Stack* July 2017 - January 2018
  - Developed an Educational Android application using Java, PHP, MySQL, and Firebase with built-in Video players to stream the video tutorials. The application had around 800-900 daily users
  - Worked on a Bank application in which the security features such as Fingerprint and OTP based login were implemented which increased the security of the application by 80 percent and used SQLite to store non-vital information which increased the application performance by 30 percent
- **Anugraha Computers** Shimoga, Karnataka, India  
*Freelance Android Developer* August 2016 - April 2017
  - **City Center:** Developed a parking ticket application for a popular shopping complex group. The application gave the slots to the customers as to where they could park their vehicles when they enter the parking area of the shopping complex. This was developed using Firebase as the service provider. The application was used in 35 shopping malls across the State and was generating around 300,000 tickets everyday
  - **Yatra Cabs:** Integrated an emergency services option in a popular taxi (ride-sharing) service application. The integration was about displaying the nearest hospital from the current location with Navigation and also an automated text message to the police control room about the start and the endpoints of the route. The integration was developed using Geo-fencing technology with volley services to send and receive requests and also Google Maps SDK to populate the navigation to the nearest Hospital

## SKILLS

Native - Android and Kotlin; Hybrid - React Native and Flutter, Java, MySQL, Javascript, PHP, HTML 5, Bootstrap, XML, CSS 3, JSON, REST API, Docker, AWS, Firebase, Espresso, Crashlytics, ROOM, Vue, Quasar, Algorithms, Data Structures, Object Oriented Programming, Android Design Concepts, Source Control, GIT

## PROJECTS

### **Motor Insurance Premium Calculator, An Android Application:** (January 2018 - March 2018)

- An application developed using basic java concepts for calculating Motor Insurance Premium, it is now used across India by various Insurance companies
- The app has more than 50,000 downloads to-date

### **Locatify, An Android Application:** (February 2016)

- This application was developed for the Government of India under Make in India program to provide a manual green corridor for all the emergency vehicles in metropolitan cities
- The Application was developed using Geo-fencing technology with Google Maps SDK, Firebase Realtime database and Notifications with a provision to connect to any IoT devices to control the traffic signals
- This application was judged as the Most Popular Project in the hackathon by the Government of India