

# Rishabh Agrawal

Software Developer | rishabh.agrawal@mavs.uta.edu | (817) 401-5713 | Arlington, Texas

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Combined two years of experience in native Android app and website development. I am interested in solving digital challenges, while learning new technologies, methodologies, and tools along the way. With an eye for detail, motive to make Software Development Life Cycle (SDLC) process efficient and improvise Technical Operations Management.

## WORK EXPERIENCE

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### Library Student Assistant

University of Texas, Arlington

Jan 2019– Present

Arlington, TX

- Aided students/guests with lending technology and books
- Guided students/staff using databases for research projects, scholarly articles, thesis and dissertation

### TransLine Infra

Android Developer

Jan 2017– Mar 2018

Noida, India

- Implemented application functionalities and optimizing the running performance
- Integrated databases, Firebase back-end, notification handling, user authentication, API integration in app
- Optimized the caching mechanism to reduce API calls and reduce power consumption by 20%
- Developed update patches and improvements for existing client projects

### TransLine Infra

Site Engineer

Apr 2016– Jan 2017

Noida, India

- Performed website design, and development of concepts and deliverable milestones
- Successfully identified, diagnosed, and fixed website problems: broken links, inconsistency in design etc.
- Performed maintenance and updates on existing client Web projects
- Utilized HTML5, CSS3, JavaScript, Ajax, JSON, jQuery, and Bootstrap for designing the user interface system

## EDUCATION

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### University of Texas, Arlington

Master of Science in Computer Science

May 2020

Arlington, TX

- **GPA:** 3.3/4.0, **Courses:** Robotics, Machine Learning, Data Modelling, Cloud Computing & Secure Programming

## SKILLS & INTERESTS

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**Programming Languages:** Java, C, Python

**Platform:** MAC, Linux and Windows

**Web Platform:** AWS, HTML, CSS, JavaScript, XML, PHP

**Graphics:** CorelDraw, Adobe Photoshop

**Others:** MySQL, REST, Git, MATLAB, Android SDK, Big Data, Map Reduce, Spark, MVC, Design Pattern

## PROJECTS

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### Robotics Project:

Implement path planning and motion control in a self-driving robot that can navigate around obstacles  
Implement mechanism to extinguish fire in a self-driving autonomous Lego robot  
Implement stair climbing and descending mechanism in an autonomous Lego robot

### Android Apps: (using Android Studio and libraries)

*Copy Save:* stores copied text from the clipboard permanently, >2000 downloads with 3\* ratings

*Text Scan+Translator:* uses Vision API to recognize text from Camera in real-time, store text & translate

*Others:* Tip Calculator, Math Quiz app, Fake Profile Generator, Brightness app, Wallpapers app

### Hackathons Participated:

HackUTA 2018: Developed Android app: *MeeleMe* that senses the highlighted character on Smash Bros player selection screen and speaks the key-combination for the best attack of that player

HackDFW 2018: Worked on blockchain technology to create a decentralized web application for charities and their donations where the data is public but encrypted