

Mrinalini Upadhyaya

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TECHNICAL SKILLS

- **Proficient:** Java, Android, JavaScript, React, Node.js, Python, SQL, SQLite, Jest, Selenium WebDriver, Facebook SDK, Google Play Services, Gradle, Git
- **Exposure:** Kotlin, Flask, Gatsby, GraphQL, Firebase, AWS, HTML5, CSS3

EDUCATION

Master of Science in Computer Science, *University at Buffalo, State University of New York*

Feb 2020

Bachelor of Technology in Electrical and Electronics, *Amrita Vishwa Vidyapeetam*

Aug 2010

PROJECT WORK

Human Activity Recognition | Android Developer

Jan 2019 - May 2019

Android Application powered by TFLite to recognize Human Actions captured on mobile camera.

- Developed android application in [Kotlin](#) and contributed code to handle camera activities and image conversion logic.
- Designed Content Provider to store application data such as human actions that were recognized and performance log of the TFLite model using [Kotlin](#) and [Android](#).

Civitas RIT Hackathon (114 Participants) | Android Developer

Mar 2019

Android Application to help bring the community together and help unemployed women look for part-time jobs.

- Designed and developed application activities such as login page, dashboard, and job search page using [Java](#) and [Android](#).
- Engineered Content Provider to help manage in-app data; demo data such as sample jobs posted was fetched from [Google Firebase Real-Time-Database](#) using [Java](#).

PROFESSIONAL EXPERIENCE

Constant Contact | Software Engineer, Intern | Waltham, MA

Jun 2019 - Aug 2019

- Developed [Node.js](#) helper libraries consumed by 3 early adopter teams to validate module's functionality, modularizing common functionalities such as checking e-mail mail delivery, validation of REST API responses.
- Automated helper libraries test scripts using [JavaScript](#) and [Jest](#) with 98% code coverage, ensuring stable builds on any updates to these libraries.
- Collaborated with Autobots team to configure [SonarQube](#) code coverage and quality check application on [AWS EC2](#), projected to support development teams in tracking defects by 2X.

SAP Labs | Product Engineer | Bangalore, India

May 2015 - Aug 2018

- Designed in-house automation framework based on [Selenium WebDriver Testfarm](#) to replace outdated automation framework within organization resulting in catching of more than 3X production defects..
- Wrote [JUnit](#) scripts in [Java](#) to cover unit tests with 95% functional coverage for all newly written APIs every 3 weeks; tests were maintained at pass rate of 98% on every regression run.
- Awarded "[Individual Excellence Award](#)" in team for 2nd Quarter 2016 for launch of new test farm system.

Fidelity National Financial | Senior Quality Engineer | Bangalore, India

Sep 2013 - May 2015

- Automated web-based test scripts using [Selenium WebDriver](#) in [Java](#), modernizing 100% of legacy scripts to significantly reduce test script maintenance time, leading in conversion of 3 test engineers to core contribution to automation scripts.
- Led team of 3 test engineers as principal engineer to maintain 80% code coverage with newly added functionalities to Title application *Agent Trax* using [Java](#), [JUnit](#), and [Selenium WebDriver](#).
- Performed gap analysis for clients and translated problem statements to design requirements for testing team.

Cognizant Technology Solutions | Software Engineer | Bangalore, India

Aug 2010 - Aug 2013

- Collaborated with software quality assurance team to automate test scripts using [SoapUI](#) and [Groovy](#); awarded "[Partner Award](#)" for customer satisfaction.
- Designed clean up script to clear data redundancy with RESTful API automation in [Groovy](#), enabling team to use clean data for every automation run, saving an hour of each testers time to set-up data before testing any functionality.

CERTIFICATIONS

Oracle Certified Associate, Java SE 7 Programmer

Apr 2016