

Mrinalini Upadhyaya

Full-Stack Software Engineer
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TECHNICAL SKILLS

- **Proficient:** Java, JavaScript, MongoDB, React, AngularJS, Node.js, Python, SQL, SQLite, Jest, Git, HTML5, CSS3, Android Development
- **Exposure:** Kotlin, Flask, Gatsby, GraphQL, Firebase, AWS, PostgreSQL

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
Oracle Certified Associate, Java SE 7 Programmer Apr 2016

SOFTWARE DEVELOPMENT 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 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 internal teams in tracking production defects by 2X.

SAP Labs | Product Engineer | Bangalore, India May 2015 - Aug 2018

- Worked as an Agile team member for SAP Contracts to develop Smart Contracts UI using [Express](#) and [MongoDB](#) for the backend and [React](#) for the front end.
- Designed and developed reusable and responsive [React](#) components, while migrating legacy code into Smart Contracts UI using [JavaScript](#).
- Built [RESTful API](#) endpoints for customers and deployed them as open apis, enabling them to have freedom to heavily customize their contract data.
- Awarded "[Individual Excellence Award](#)" in team for 2nd Quarter 2016 for fixing several high priority production defects.

Fidelity National Financial | Software 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 2 test engineers as core contributors of the automation team.
- Performed gap analysis for clients and translated problem statements to design requirements for the testing team.

Cognizant Technology Solutions | Software Engineer | Bangalore, India Aug 2010 - Aug 2013

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

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 an 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 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](#).