

# SANJAY MURALI

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## EDUCATION

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**Northeastern University**, Boston, MA

College of Computer and Information Science

Sep 2016 – Present

Candidate for **Master of Science in Computer Science**

Expected graduation: Dec 2018

Related Courses: Algorithms, Web Development, Artificial Intelligence, Human-Computer Interaction

**Anna University**, Chennai, India

Bachelor of Engineering in Computer Science and Engineering

May 2015

## TECHNICAL KNOWLEDGE

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Languages	Java, JavaScript, Python
Web Technologies	HTML5 / CSS3, RESTful Web Services
Frameworks & libraries	Angular, ExpressJS, jQuery, Karma, NodeJS (MEAN Stack), Protractor, Spring MVC, TypeScript
Databases	MongoDB, MySQL, PostgreSQL
Tools	Bitbucket, GitHub, IntelliJ IDEA, Jenkins, JIRA, Maven, Photoshop, Slack, Trello, Visual Studio Code

## WORK EXPERIENCE

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**First Light Biosciences, Inc.** | Bedford, MA

Software Engineer Co-Op

Jan 2018 – June 2018

- Designed and Developed an Angular front-end for a medical device from scratch. Features of the user interface included insertion of the sample, the status of sample as it was being processed and displaying the result in real-time.
- Added new features and maintained a Python application which was used to test new hardware.
- Added features and maintained a Java Swing application which simulates the status of an analyzer for testing how it reacts to user events and its reliability.

**Bank Of New York Mellon Technology** | Chennai, India

Application Developer

July 2015 – June 2016

- Developed the application “Nexen”; a financial services platform by BNY Mellon using AngularJS and Spring.
- Coordinated with the Nexen UI team to develop the User Profiles page to allow clients to access and edit their personal information.
- Practiced Test Driven Development: extensively used Protractor (End to End testing) and Karma (Unit testing).

Application Developer Intern

Jan 2015 – April 2015

- Developed RESTful web services in Spring MVC and front-end using AngularJS for stock buying/selling.

## ACADEMIC PROJECTS

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**Northeastern University**, Boston, MA

Plagiarizer (Spring Boot, Angular 5) | <https://goo.gl/L4y1kt>

Dec 2017

- Implemented a plagiarism detection tool for java programs.

OAuthorizer (MongoDB, ExpressJS, AngularJS, NodeJS) | <https://goo.gl/esHPCG>

April 2017

- Implemented OAuth 2.0 Server for fast and convenient way for users to login.

Entertainment-DB (MySQL, ExpressJS, AngularJS, NodeJS) | <https://goo.gl/ZMz9bU>

Dec 2016

- Designed and developed an interface where a user can view and rate a movie.

**Anna University**, Chennai, India

Heart Disease Discovery and Drug Prescription

June 2015

- Implemented a system for early heart disease discovery using kNN algorithm with training data set from UCI Machine Learning repository.