

## Monali M. Mhetre

607 Summit Avenue, Arlington, TX-76013 | (682) 408-9287 | [monalimhetre19@gmail.com](mailto:monalimhetre19@gmail.com)  
[www.linkedin.com/in/monali-mhetre](https://www.linkedin.com/in/monali-mhetre) | <https://github.com/monalimhetre>

### Education

---

#### Master of Science – Computer Science

(Expected) Dec 2020

University of Texas at Arlington (CGPA 3.4/4.0)

#### Bachelor of Engineering – Electronics and Telecommunication

May 2016

University of Pune, India (First Class-CGPA 3.2/4.0)

#### Related Coursework:

Web Data Management, Artificial Intelligence, Cloud Computing, Database Systems, Data Analysis and Modelling Techniques, Software Testing, Advance Software Engineering, Information Security, Secure Programming, Computer Networks.

### Technical Skills

---

**Programming Languages:** Java, Python, C/C++, Python Flask, PHP, C#, SQL.

**Databases:** MySQL, Oracle 11g, MongoDB, SQLite, Postgres, DynamoDB.

**Tools:** Git, Eclipse, Visual Studio, PyCharm, Android Studio, MATLAB, Anaconda, Postman.

**Frameworks:** Spring Boot (Java), Bootstrap4, MVC Architecture, CodeIgniter, WordPress.

**Web Technologies:** HTML5, CSS3, JavaScript, AJAX, JSON, JSP, Angular.js, React.js, Node.js, REST, XML.

**Operating Systems:** Windows, Linux (Bash), MacOS.

**Network Protocols:** TCP/IP, HTTP, HTTPS, FTP, SMTP, UDP, IP.

**Testing tools:** Junit, JaCoCo, Selenium, PIT.

### Professional Experience

---

#### Techrecruitlab Development Center, Trainee Software Engineer (Pune, India)

Jan 2017-Dec 2017

- Rated as a High Performer. Generic training in Java, JavaScript, DBMS and Software Engineering.
- Trained in back-end programming technologies like Node.js, scripting languages like python and php.
- Hands-on experience on database technologies like MySQL, MongoDB. Worked on Web Development and App development.

### Academic Projects

---

#### 'SayItRight' Web App

- Developed a web application for pronouncing names of different culture people accurately using CodeIgniter Framework (MVC pattern). Includes WordPress (Blogs) with ability to login and form registration for events and individual user. Deployed project on UTA cloud, used phpMyAdmin panel.

#### Fuzzy-Search React-Redux UI

- Built a User Interface for searching Ingredients of different products by using fuzzy-search library of JavaScript. Used React-Redux at client -side and Node.js at server-side of the application. Used (AWS) DynamoDB to store and retrieve data which was in json format from the database.

#### Advance Cloud Computing

- Created web interface for users to fetch required information about earthquakes from MySQL database using Python Flask framework. Deployed the application on IBM Cloud (Bluemix), Azure and AWS.

#### Mac Facility Management System

- Created website using MVC pattern in JAVA and jsp pages. Tested the front-end as well as backend of the application using JUNIT, PIT and Selenium Testing. Could get full JaCoCo coverage. Database used was MySQL.

#### Max Connect 4 game

- Developed an Artificial Intelligence game 'Max Connect 4' using the Minimax strategy enhanced with alpha beta pruning for faster results and depth limited search using a heuristic function for estimating cost.

#### Detection and Classification of plant leaf Diseases

- Detected and displayed plant leaf disease in the GUI form using SVM algorithm and suggested related pesticides. Used Digital Image Processing concepts along with M-Script language, software used is MATLAB 2013.

### Summer Internship

---

- June 2015:** Internship in an Electronics Industry of three weeks at **SM Technologies Pvt. Ltd.** (RFIC Solutions), Hadapsar, Pune. Details: I have learned **RF design and VLSI design** in Microwind and Xilinx Software.

### Workshop Attended

---

- Workshop on **Linux Operating System** organized by Fizzible Team, Pune and workshop on **Ethical Hacking** organized by Cyber Cure at MIT, Pune (Feb 2015).