

MONALI MHETRE

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CONTACT

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SKILLS

- **Programming Languages:** Java, Python, C/C++, PHP, SQL.
- **Databases:** MySQL, MongoDB, DB2, SQLite, Postgres, DynamoDB.
- **Frameworks:** Spring Boot (Java), MVC Architecture, Flask, React, Bootstrap4, CodeIgniter.
- **Web Languages:** HTML5, CSS3, JavaScript, Node.js, REST, XML.
- **Network Protocols:** TCP/IP, HTTP, HTTPS, FTP, SMTP, UDP.
- **Operating Systems:** Windows, Linux, MacOS.
- **Tools:** Eclipse, IntelliJ, Visual Studio, Git, PyCharm, MATLAB, Postman.
- **Networking:** DHCP, RAID, NAT, ARP, VPN, Telnet, DNS, Firewall.

Education

Master of Science – Computer Science

University of Texas Arlington.

GPA: 3/4 (December 2020)

Bachelor of Engineering – Electronics

University of Pune India.

CGPA: 7/10 (May 2016)

Courses: Advanced Concepts in Database, Computer Networks, Web Data Management, Software Engineering, Data Structure and Algorithms.

Experience

Trainee Software Engineer

Techrecruitlab Development Center | 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, Python, and PHP.
- Hands-on experience on database technologies like MySQL, MongoDB. Worked on Website and Application Development.

Projects

'SayItRight' Web App

(PHP)

- 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

(JavaScript)

- 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.

Cloud Computing

(Python)

- 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) and AWS.

Mac Facility Management System

(JAVA)

- 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 - MySQL.

Designed a Client-Server

(JAVA)

- Designed a multithreaded web Server to handle multiple web Clients. The web server and web client communicated using a text-based HTTP protocol.

Max Connect 4 game

(Python)

- 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.