

BHARGAVI PATEL

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SUMMARY

- 2+ years of experience as **Software Developer** using **Core Java/J2EE** concepts, front-end technologies like **JavaScript, JSP, jQuery, HTML5, CSS3, XML, Bootstrap, AngularJS**, back-end technologies like **Java, PHP, MySQL**, development environment like **WampServer and Android Studio**
- Experienced in **Core Java** concepts such as **OOP**, along-with **Advanced Java** Concepts like **JDBC, JSP, Servlet**
- Significant understanding of **Software Development Life Cycle (SDLC)** with **strong grasp** of **Agile Methodologies**
- Experience in **Manual testing** including **Functional testing, Unit testing, Integration testing and Regression testing**

EDUCATION

University at Albany, SUNY, Albany, NY

May 2019

Master of Science (MS), Computer and Information Sciences

Gujarat Technological University, India

May 2017

Bachelor of Engineering in Computer Science and Engineering

TECHNICAL SKILLS

Programming Languages	: Java, JavaScript, Python, C, C++
Web Technologies	: HTML5, CSS3, Bootstrap, JavaScript, JSON, jQuery, XML, AngularJS, React, Node.js, Three.js
J2EE Technologies	: JDBC, JSP, Servlet, Hibernate, Spring MVC
Database/Cloud	: MySQL, PostgreSQL, Firebase, NoSQL, MS Access, Oracle
Testing Framework	: Junit, Selenium
Tools	: Eclipse IDE, NetBeans, Android Studio, PyCharm, Wireshark, MATLAB, JIRA, Tableau
Version Control	: Git, GitHub, Bitbucket
Web App Servers	: Apache Tomcat, WAMP server, Glassfish
Operating Systems	: Windows, Linux, Mac OS, Ubuntu

WORK EXPERIENCE

OMPL + TurtleBot + Motion Planning + Moveit

Jan 2019 – Present

- Working on **TurtleBot** with various **Motion Planning algorithms** to optimize robot's movement
- Using OMPL which is **Open Motion Planning Library** consisting of various motion planning algorithms for state of art sampling
- Using **Moveit** along with **Rviz** Motion Planning plugin to control robot's motion and learn about new latest advances in Motion Planning, Manipulation, 3D Perception, kinematics, control and navigation
- Using **ROS Kinetic** (Robot Operating System) which provides various libraries and tools which helps in creation of robot applications

Portfolio Website – Software Developer

Jan 2019 – Present

Portfolio Link: bhargavipatel259.github.io/Website/

- Working on development of my portfolio website, to showcase my skills and design a website with some new innovative ideas.
- Keeping track of my previous projects as well as current projects.
- Used GitHub Pages which are public web pages used to create and host website.
- **Hosted** using **GitHub Pages**.
- Developed using **HTML5, CSS3, Bootstrap, jQuery, JavaScript**

- Conducted lab sessions and taught students' basics of **Java Programming**
- Corresponded with students through email and blackboard to provide them with out of class assistance
- Collaborated with professor and colleagues during biweekly meeting and presented new ideas on teaching
- Responsible for grading assignments, lab reports and exams
- Assisted professor for proctoring during exams

Android Application Developer – Software Developer**May 2016 – April 2017**

Vertical 22 Visual Branding and Web Solutions, India

- Worked on **Designing and Developing App**, worked on its workflow using **Activity and Fragments**
- Worked on development of mobile application for Rental Car which enables users to book car and allows them to drive it on their own providing them with sense of privacy
- Developed **UI** for application modules using **List View, Scroll View and Navigation Drawer**
- Database management was done using **Firebase Realtime Database**.
- Utilized Agile development methodology and controlled workflow using JIRA
- **Environment: Java (Android), XML, Firebase, Android Studio**

ACADEMIC PROJECTS**Project Link:** github.com/bhargavipatel259**Face Recognition and Emotion Detection****Aug 2018 – Dec 2018**

- Detecting and recognizing faces in images, videos and through live webcam, with facial expressions and emotions detection using TensorFlow in combination with CNN, HOG, Faster-RCNN with Fer2013 dataset
- **Environment:** Python, TensorFlow API, Fer2013 Dataset

uTest by Applause – Tester**Aug 2018 – Dec 2018**

- Performed testing on websites to find bugs using Charles Proxy, retrieved log files using iOS Console
- Used Selenium for automating web application testing along-with JIRA to capture and organize issues
- **Environment:** JIRA, iOS Console, Selenium, Zephyr, Handbrake

Ualbany Hangouts**Jan 2018 – May 2018**

- Developed a web application which allows users in getting involved with people sharing similar interests by creating groups and getting along to create thriving communities. User can create or join Hangout based on their interest. Developed using MVC architecture, J2EE concepts, Bootstrap, PHP
- **Environment:** Java, JSP, jQuery, JSON, Servlet, Bootstrap, PHP, HTML5, CSS3, MySQL, Apache Tomcat

Simple DB**Sept 2017 – Dec 2017**

- Simple DB is a multi-user transactional database server written in Java, which enables interaction with Java client programs via JDBC. A basic database management system written and implemented in Java.
- **Environment:** Java, MySQL, JUnit

Miles – Rental Car Android Application – Front End Developer**Nov 2016 – April 2017**

- Worked on development of android application which enables users to upload their car for rent or allows them to even rent one for themselves. Users can search cars from varied options based on types of cars, location and budget, along-with this they can book car for a particular time period. Additionally, it provides users with nearby attractions or food spots based on time preference mentioned by them.
- **Environment:** Java (Android), HTML5, CSS3, XML, Firebase

Website for Reviewing and Rating Physicians**Feb 2015 – April 2015**

- A user-friendly website which enables users to rate physicians based on their experience. This in-turn will help other users to choose the best physician based on their needs.
- **Environment:** Java, HTML5, CSS3, MySQL

ACTIVITIES AND WORKSHOPS

- Secured First Position in Zonal Round of RoboTryst – 2014 organized by Robosapiens Technologies Pvt. Ltd. in association with Tryst – 2014 IIT Delhi
- Participated in national level competitions as a member of CSI (Computer Society of India)
- Served as Core Committee Organizer for Aahavan - Gujarat Technological University Techfest