

# Sabiha Tarannum Shaik

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## EDUCATION

<b>B.Tech, Computer Science and Engineering</b> , Shri Vishnu Engineering College for Women, Bhimavaram CGPA - 9.31/10	AUG 2019 - MAY 2023
<b>Higher Secondary School: MPC</b> , Sasi Junior College, Tanuku CGPA - 10/10	MAY 2017 - MAR 2019
<b>Secondary School</b> , Saint Francis de Sales, Tanuku CGPA - 10/10	MAY 2016 - MAR 2017

## WORK EXPERIENCE

<b>Software Engineer, NXP Semiconductors</b> , Bangalore	JUL 2023 - PRESENT
<ul style="list-style-type: none"><li>Designed and implemented an application, Orchestrator which is responsible for building firmware, testing it, and reporting the issues to the respective team. The firmware then moves through a series of certification levels which determine its quality. This application is very efficient in making SW releases with compatible versions of subsystems as it automates the process of integration testing and system testing, in turn decreasing the time of SW release cycle from 6 months to 8 weeks.</li><li>Sole Maintainer of UI/UX in Orchestrator. [Python, Angular, Web-design]</li><li>Maintainer of a Java based Test framework, APPROVE, containing over ~75 software packages. [Java]</li><li>Designed and implemented testcases for a Digital Radio subsystem, successfully finding and reporting numerous issues in the integration phase of SDL. [Java, Jenkins]</li><li>Automated the end-to-end process of building, loading and flashing the firmware on to Radar Front End (Chip/Board) using scripts. Enabled a seamless CI/CD workflow for firmware updates, testing, and deployment. [Python, Bash, Jenkins, CICD]</li></ul>	

## ACADEMIC PROJECTS

<b>Detecting Pneumonia in 2D Chest X-rays</b>	DEC 2023 - APR 2023
<ul style="list-style-type: none"><li>Built a deep learning model with 92% accuracy using sample dataset and machine learning algorithm, VGG16 to detect pneumonia in chest X-rays at a level exceeding practicing radiologist. [Keras, Glob and SciPy]</li></ul>	
<b>Code Rush, Android Game</b>	MAY 2021 - JUN 2021
<ul style="list-style-type: none"><li>Created an engaging infinite running game where players collect coins represented by programming language keywords and operators like ++, --, &gt;&gt;, &lt;&lt;. The score is updated based on the operators collected, making the game an interactive way to learn programming concepts while having fun. [C#, Unity 3D, Blender, Android Studio]</li></ul>	
<b>Campus Parking System, Web Application</b>	DEC 2020 - JAN 2021
<ul style="list-style-type: none"><li>Created a web application that helps manage vehicle parking by displaying the total number of available slots. Users can book a slot through the app streamlining the parking process. [JSP, Java Servlets, MySQL, Apache Tomcat, JS, HTML, CSS]</li></ul>	
<b>Meal Counting App, Web Application</b>	JUN 2020 - AUG 2020
<ul style="list-style-type: none"><li>Developed an application that allows the mess authority to update the weekly meal menu. Students can view the menu and choose their preference (veg, non-veg or no meal) directly through the app. [MERN Stack]</li></ul>	

## ACHIEVEMENTS & CERTIFICATIONS

<b>3* Doubt Solver, CodeChef</b>	APR 2022 - MAY 2022
<ul style="list-style-type: none"><li>Selected as one of 25 participants nationwide who have sufficient coding contest and practice experience on the platform to solve doubts raised by students.</li><li>Received a certificate of appreciation for solving 226 doubts on the platform.</li></ul>	
<b>Women Techmakers Engineering Fellows, TalentSprint, supported by Google</b>	MAR 2020 - APR 2022
<ul style="list-style-type: none"><li>Selected as one of 120 participants consisting of over 15,000+ applicants across India for a 2-year professional development program and received a certificate for the successful completion of the program.</li><li>Worked on projects in Python and Web Development, participated in weekly coding contests &amp; practiced presentation skills.</li><li>Created a personal portfolio website using HTML, CSS, and JS as a part of the program.</li></ul>	

## SKILLS & TOOLS

- Programming skills** - C, C++, Java, Python, MySQL, MongoDB, PostgreSQL, HTML, CSS, JavaScript, AngularJS, ReactJS, NodeJS
- Software tools** – Jenkins, Excel, Git, BitBucket, LaTeX, Unity 3D, Blender, Graphviz

## AWARDS

- NXP Cheers for Peers [Oct, 2024]**- Certificate of appreciation in recognition of exceptional efforts, commitment, and dedication, and for being successfully providing the scripts to deliver customer log files.
- NXP Cheers for Peers [May, 2024]**- Certificate of appreciation for adding integration tests in time before the SW release.