

Tejasree Taluri

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SUMMARY

Results-driven Masters in Computer Science student, graduating in March 2025, with 2+ years of experience as an Associate Software Engineer, combining academic excellence with hands-on industry experience, I excel in software design and development, client communication, cross-functional team collaboration in agile environment with problem solving and programming skills, while maintaining clean code practices.

EDUCATION

DePaul University, Chicago, IL, USA	Jan 2023 - Mar 2025
Masters of Science in Computer Science (<i>GPA: 3.73/4</i>)	
<ul style="list-style-type: none"><i>Relevant Courses:</i> Applied Algorithms and Data Structures, Database Programming, Object Oriented Software Development, Agile Software Development, Web Development, Mobile Application Development - Android, Software Testing	
Cambridge Institute of Technology, Bangalore, India	Aug 2015 - June 2019
Bachelor's in Information Science and Engineering (<i>GPA: 3.5/4</i>)	
<ul style="list-style-type: none"><i>Relevant Courses:</i> Object-Oriented Design, Database Management System, Operating System, Computer Networks, Web Technology Python programming, Computer Engineering, Java programming language, Mathematics, Information Technology	

SKILLS

Programming Languages : Java, JavaScript, C/C++, Python, HTML, CSS, SQL, J2EE, C#
Databases : MySQL, SQL database, PL/SQL, PostgreSQL, DBMS, Oracle, Relational Databases
Frameworks and Tools: Spring Boot, Junit, Spring MVC, GitHub, React.js, Node.js, Bootstrap, Postman, Selenium
Other: Object-Oriented Programming(OOP), Linux, Git, REST APIs, Agile Methodologies, AWS, Azure, Software Development Life Cycle(SDLC), QA, Eclipse, Data Modeling, VSCode, Version control System, Jenkins, LLD, System architecture

EXPERIENCE

Associate Software Engineer at JMR Infotech, Bangalore, India	Feb 2020 – Nov 2022
<ul style="list-style-type: none">Built scalable, reusable REST APIs using Java, Spring boot and PL/SQL queries, to retrieve banking transaction detailsIntegrated these Java Spring-based <i>web services</i> with “WhatsApp chatbot” for seamless banking queriesUsed Postman for API performance testing and GitHub CI for automated unit testing.Led feature enhancements in an Android mobile app to improve employee data management, along troubleshoot.Designed interactive web pages using AngularJS, HTML/CSS, enabling shareholder record management with advanced filtering and data visualization capabilitiesAutomated user data transfer from MS Excel to the production database by writing SQL queries, reducing manual effort by 30% and improving operational efficiencyEngaged in calls and meetings with clients to gather and clarify project requirements ensuring alignment with business needs and visionary while emphasizing innovative software design and coding standardsHoned ability to collaborate with cross-functional teams in an agile environment, strengthening communication skills, collaboration skills, problem-solving skills, code review and teamwork to drive project success	

PROJECTS

Visual Crossing Weather Application (Mobile- Android)	November 2024
<ul style="list-style-type: none">Developed an Android mobile application to display real-time weather data, by integrating the <i>Visual Crossing Weather API</i>, fetching data based on the user's device location or a specified locationUtilized a gradient background in MainActivity that dynamically changes color based on temperature variationsImplemented a horizontal <i>RecyclerView</i> to display hourly forecasts and a temperature chart for visualizing temperature trendsDesigned responsive UI for both portrait and landscape orientations and maintained data persistence across device rotation	
Gossip Server (Multithreading, Distributed Systems)	April 2023
<ul style="list-style-type: none">Implemented a distributed gossip algorithm for network-wide computations, like average and min/max calculationsDesigned the algorithm to estimate network size and perform neighbor node pingLeveraged UDP (User Datagram Protocol) and serialized Java objects for faster communicationEnhanced network reliability and performance by ensuring efficient data exchange and low-latency	
Smart Social Banking	March 2021
<ul style="list-style-type: none">Developed REST APIs for seamless WhatsApp chatbot integration, enabling 10,000+ banking transactions monthlyIntegrated PL/SQL queries in Oracle database to enhance backend performance, ensuring efficient data access and scalabilityCollaborated with front-end teams to integrate 15+ APIs, improving features by 20%, and enhancing user experience with MVC design principlesAutomated unit testing by integrating continuous integration (CI) workflows in GitHub	
JMR Decision Support Solution Web Application (for shareholders)	April 2020
<ul style="list-style-type: none">Developed an AngularJS dashboard with multiple pages for 1,000+ bank shareholders to manage records efficientlyImplemented filters and data visualizations (pie charts, graphs) to analyze and articulate shareholder trends by yearEnsured data accuracy and reliability, by testing the application with Oracle PL/SQL query executions	