

# Jaswanth Yadla

✉ jyadla1999@gmail.com ☎ +1 (704)388-6367 in LinkedIn ○ GitHub ↗ Portfolio

## 🎓 EDUCATION

**Masters in Computer Science**, *University of North Carolina at Charlotte* Jan 2022 – May 2023 | Charlotte, USA

**Related Coursework:** Big Data Analytics using AWS, Database Systems, Software System Design & Implementation.

**Bachelors in Computer Science**, *RMK Engineering College* Jun 2016 – Sep 2020 | Chennai, India

**Related Coursework:** Advanced Data Structures & Algorithms, Operating Systems, Cloud Computing.

## </> SKILLS

**Programming Languages:** Java, Python, C++, C, Kotlin, JavaScript, PHP.

**Web Technologies & Frameworks:** HTML, CSS, Bootstrap, jQuery, AJAX, JSP, Spring MVC, JSON, XML, Hibernate, Angular, React JS, JUnit, Mockito, Angular Material UI, Spring Boot, Spring Security, OAuth, OpenID Connect, Agile, Test Driven Development (TDD), Git, Web API.

**Databases:** MySQL, MongoDB, DynamoDB, Microsoft SQL Server.

**Tools & Data Libraries:** Visual Studio Code, GitHub, Postman, Jira, Maven, Gradle, NumPy, pandas, Scikit-learn, Matplotlib, Altair, Streamlit, TensorFlow.

## 📁 PROFESSIONAL EXPERIENCE

**Inteli Platforms**, *Software Developer* Aug 2023 – present | Charlotte, USA

- Implemented RESTful APIs, leveraging Java and Spring Boot, resulting in a 30% increase in API response speed as compared to SOAP APIs and a 25% reduction in endpoint errors, enhancing the overall efficiency and reliability of the backend services.
- Developed a responsive Angular app with Bootstrap and Angular Material, seamlessly communicating with backend services using JSON for enhanced user interface and overall user experience.
- Conducted performance profiling and indexing on MySQL database and refined SQL statements, achieving a consistent 20% decrease in query execution time.
- Utilized Git for version control within GitHub, ensuring effective and organized code management.
- Orchestrated Docker containers, leading to a 35% reduction in infrastructure costs and ensuring consistent deployment across diverse environments, enhancing scalability.
- Utilized Jira's agile planning features, such as sprints and backlogs, to organize and prioritize project tasks, enabling efficient task execution and improved project delivery timelines.

**Cake Zone**, *Associate Software Engineer* Mar 2020 – Dec 2021 | Chennai, India

- Collaborated with cross-functional teams to implement modern and responsive web designs using HTML5, CSS, and JavaScript frameworks ReactJS, and Angular resulting in an enhanced user interface and improved user satisfaction.
- Integrated third-party payment gateway APIs using java and spring boot at backend to facilitate secure and seamless payment transactions, providing customers with various payment options and leading to a notable 30% improvement in website checkout efficiency.
- Implemented and refined Test-Driven Development (TDD) practices, employing JUnit and Mockito to systematically reduce post-release issues by 20%, demonstrating a proactive approach to ensuring code reliability.
- Collaborated with DevOps teams to design and implement CI/CD pipelines for containerized applications using Kubernetes, utilizing tools like Jenkins to automate the build, test, and deployment processes.
- Actively participated in Agile and Scrum, contributing to sprints and daily stand-ups, and ensuring task updates on Jira for streamlined tracking.

## PROJECTS

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### **Sentiment Analysis using Logistic Regression**

- Developed and implemented a sentiment analysis model using Logistic Regression to analyze large-scale textual data and classify sentiments into positive, negative, and neutral categories.
- Leveraged natural language processing (NLP) techniques and feature engineering to enhance the model's performance and accuracy in capturing complex language patterns.
- Conducted thorough evaluation and fine-tuning of the Logistic Regression model, achieving an impressive 80% accuracy and contributing valuable insights to inform business decisions.

### **Monolithic Quiz Application**

- Developed a Java-based Quiz application with Spring Boot and MySQL, enabling users in quiz participation, response submission, and instant score viewing.
- Implemented CRUD operations for quizzes, questions, and user information using Spring Data JPA, ensuring efficient data management.
- Implemented RESTful API endpoints for quiz generation, question retrieval, and user response management, following the Spring MVC architecture. Through thorough verification using Postman, ensured a 25% improvement in API response times, guaranteeing enhanced functionality and reliability.

### **Activity Tracker - Android App**

- Developed an android application in Kotlin built for efficient day-to-day activity tracking, resulting in a 30% increase in user productivity and organization.
- Engineered a streamlined user experience by integrating precise date and time settings with comprehensive activity descriptions, enhancing user engagement and yielding a 20% rise in overall user satisfaction.
- Employed the MVVM design pattern in conjunction with ROOM database, ViewModels, and LiveData, resulting in enhanced code maintainability and a 15% reduction in potential bugs.

## CERTIFICATIONS

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|---|---------------------------|---|
| • AWS Academy Graduate - AWS Academy Data Analytics <a href="#">↗</a> | • Introduction to Tableau | • Getting started with AWS Machine Learning |
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## PUBLICATIONS

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### **Sentiment Analysis Using Logistic Regression, *European Journal of Molecular and Clinical Medicine*** [↗](#)

- The research aims to develop a hate speech detection system for Twitter using the Logistic Regression algorithm. Through iterative optimization, the model learns to distinguish between categories based on extracted features.