CHARAN TEJ KOTRAKONA

charantej.k19@gmail.com | LinkedIn: www.linkedin.com/in/charan-tej-kotrakona-37a664300

Contact: +1(818)-691-4435 San Bernardino, California

Summary:

- Aspiring .NET Full Stack Developer with hands-on experience in building scalable web applications using ASP.NET, Angular, and SQL Server, and professional exposure to Duck Creek development in the insurance domain.
- Hold comprehensive experience of working both as individual contributor and a team member.
- Excellent ability to quickly master the technologies and concepts.
- Certified in .NET Full Stack and AWS Cloud Practitioner, with a passion for solving complex problems through full-cycle software development

Technical Skills:

Languages:	C, C#, SQL, ASP.NET, .NET Core
Database:	My SQL, MS SQL, TSQL
Web Related:	HTML, CSS, Angular, React, Java Script
Tools:	Visual Studio Code, Visual Studio 2022, SQL Management Studio, GitHub, MS Word, Power Point, Excel
Soft Skills:	Team Collaboration, Time Management, Effective Communication, Quick Learner

Education:

California State University San Bernardino, CA — May 2025
Major: Masters in Computer Science — GPA: 3.5/4

Mother Theresa Institute of Engineering and Technology Affiliated to JNTU Anantapuram — June 2022
Major: Computer Science and Engineering — GPA: 7.45/10

Professional Experience:

COFORGE Ltd | Graduate Engineer Trainee — Greater Noida, UP — June 2022 – June 2023
Role: Duck Creek Policy Developer

Project Description:

Worked on the end-to-end development and enhancement of the Duck Creek Policy system for Crum C Forster, a leading property and casualty insurance provider. Responsibilities included configuring and customizing Duck Creek Author, implementing product definitions, rating algorithms, and integration with external systems via Duck Creek Anywhere Integrations (DCAPI). Collaborated with cross-functional teams to gather business requirements, perform unit testing, and support UAT phases. Contributed to optimizing policy issuance workflows and improving system performance through efficient design and code practices.

Key Responsibilities:

- Developed and configured insurance products using Duck Creek Author, focusing on Policy module implementation and customization.
- Built and modified rating rules, forms, scripts, and transaction workflows to meet business and regulatory requirements.
- Integrated Duck Creek Policy with external systems using DCAPI and REST-based services to ensure seamless data exchange.
- Analyzed business requirements and translated them into effective technical solutions within Duck Creek framework.
- Performed unit testing, defect resolution, and supported system and user acceptance testing phases.
- Collaborated with cross-functional teams in Agile/Scrum environments to deliver high-quality enhancements and new features.
- Provided production support, conducted performance tuning, and resolved issues to ensure system stability and optimal performance.
- Documented technical solutions, configurations, and deployment procedures to support maintainability and knowledge sharing.

Tools: Duck Creek Author, Visual Studio, SQL Server Management Studio, T-SQL, C#, Agile/Scrum

Projects:

Mobile App Development (Dog Math)

- Developed a mobile application, **Dog Math**, designed to enhance arithmetic skills for users of all ages through engaging and interactive math games.
- Implemented intuitive user interfaces and game mechanics, focusing on improving learning outcomes in a fun, gamified environment.
- Optimized app performance and ensured compatibility across multiple mobile platforms.

Hand Gesture Controlled Virtual Mouse System – Machine Learning and Computer Vision, MediaPipe, OpenCV, Python, Infrared Sensors

- The main goal is to create a touchless interface that allows users to control computer functions through intuitive hand gestures, enhancing accessibility
- Technologies used include OpenCV, MediaPipe, TensorFlow, Python, webcams, and depth sensors for real-time hand gesture recognition and virtual mouse control.
- Designed algorithms for hand tracking and gesture recognition, developed real-time image processing, built a customizable interface, ensured cross platform compatibility.
- Functionalities include real-time hand tracking, gesture recognition, virtual mouse control, customization, visual feedback, system integration, calibration, and error handling for accuracy.

- Enhanced user experience with touchless interaction, improved accessibility, reduced physical contact, and demonstrated significant usability for individuals with mobility impairments.
- Improved accessibility and user interaction with touchless control.
- Elder people and persons with disabilities can use a virtual mouse to control computer.

Certifications:

- Coursera certified .Net Full Stack Foundation
- upGrad certified starting with React.js
- AWS certified Cloud Practitioner
- CSC certified ADJP (C, C++, JAVA)