CHARAN TEJ KOTRAKONA

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Objective: 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.

Professional Experience

COFORGE | Graduate Engineer Trainee, Greater Noida, India   June 2022-June 2023
Role: Duck Creek Policy Developer

Project Description:
Worked on end-to-end development and enhancement of the Duck Creek Policy System for Crum & Forster, a leading property and casualty insurance provider. Responsibilities include configuring and customizing Duck Creek Author, implementing product definitions and rating algorithms, and integrating with external systems via Duck Creek Anywhere Integrations.

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 system using DCAPI and REST-based services to ensure seamless data exchange.
- Analyzed business requirements and translated them into effective technical solutions within the Duck Creek Framework.

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

Projects:

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

Academic Portal Performance Optimization - .NET, MSSQL, Angular Material UI
- Identified and analyzed critical performance bottlenecks in the college's academic portal affecting access to results, attendance, and educational resources.
- Redesigned and developed a robust web application using .NET, MSSQL, Angular Material UI, significantly enhancing speed, reliability, and user experience.
- Collaborated with stakeholders to gather requirements and presented the solution as a final year project, earning recognition from college management for technical innovation.

Hand Gesture Controlled Virtual Mouse System – Machine Learning, Python, Computer Vision, OpenCV
- Developed a touchless virtual mouse using OpenCV and Python for real-time hand gesture recognition and control.
- Implemented robust hand tracking, gesture classification, and a customizable interface with visual feedback and error loading.
- Enhanced accessibility and usability for elderly and disabled users through intuitive, contact-free interaction.

Technical Skills:

Language: C, C#, ASP.NET, SQL
Web Related: HTML, CSS, Angular, JavaScript
Database: MySQL, T-SQL, MSSQL
Tools: Visual Studio, VS Code, SQL Server Management Studio, GitHub
Soft Skills: Communication, Teamwork, Time Management

Relevant Coursework

- Software Engineering
- Machine Learning
- Database Systems
- Operating Systems
- Artificial Intelligence
- Modern Computer Architecture

Education:

California State University, San Bernardino

Aug 2023 – May 2025

Major: Master's in Computer Science

GPA: 3.5

Mother Theresa Institute of Engineering and Technology- JNTUA

June 2018 – June 2022

Major: Computer Science and Engineering
GPA:7.45

Certificates

- Coursera .NET Full Stack Foundation
- upGrad certified starting with React.js
- AWS certified Cloud Practitioner