# RAGHOOTHAMA REDDY KALIKI

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## Professional Summary

Master of Science in Computer Science candidate with 2.5+ years of professional experience in full-stack software engineering using the.NET framework. Proven ability in developing, modernizing, and deploying cloud-native applications on Microsoft Azure. Seeking to leverage expertise in C#, .NET MAUI, and machine learning to contribute to a challenging Software Engineer role.

## Education

**University of Bridgeport**, Master's in Computer Science — Sept 2024 – May 2026

**GITAM University Hyderabad**, Bachelor's in Computer Science and Engineering — June 2018 – April 2022

## Relevant Coursework

- Object-oriented programming with design patterns
- Deep Learning
- Introduction to robotics
- Cyber Security
- Natural language processing

## Technical Skills

- Programming Languages: C#, Python, SQL, JavaScript, HTML5, CSS3
- Frameworks Libraries: .NET, .NET MAUI Blazor, Django, PyTorch, TensorFlow, Scikit-learn, Node.js
- Databases: Microsoft SQL Server, PostgreSQL
- Cloud DevOps: Microsoft Azure, REST APIs, GraphQL, Docker, Git
- Developer Tools: Visual Studio, PyCharm, Git

## Professional Experience

**Project Engineer**, Wipro Limited – Hyderabad, India — May 2022 – Aug 2024

- Engineered and deployed key features for devNXT, a legacy application modernization platform, using.NET MAUI Blazor and C, contributing to a solution that accelerates cloud migration for enterprise clients.
- Developed a centralized settings module for the devNXT application, streamlining the configuration process and reducing client onboarding time by an estimated 20%.
- Implemented a DIA (Digital Interactive Assistant) chat feature, integrating with backend services to provide real-time remediation suggestions and answers from a knowledge base, improving developer productivity.
- Deployed and managed application components on Microsoft Azure, utilizing Azure App service and Azure functions to ensure a scalable and resilient cloud-native architecture.
- Collaborated in an Agile team to refactor legacy.NET and ASP 2.0 codebases, enhancing maintainability and preparing applications for UI modernization to React and Angular frameworks.
- Actively participated in the full software development lifecycle, including sprint planning, daily stand-ups, and peer code reviews using Git to maintain code quality and ensure timely feature delivery.

**Intern**, Wipro Limited – Hyderabad, India — Feb 2022 – April 2022

- Completed an intensive corporate training program on the .NET framework and Microsoft Azure, focusing on building and deploying enterprise-level cloud applications.
- Achieved official Microsoft certifications in Azure Fundamentals (AZ-900) and Azure Data Fundamentals (DP-900), demonstrating validated expertise in cloud concepts and core data services.
- Architected and implemented RESTful APIs using ASP.NET Web API to facilitate seamless CRUD operations, ensuring efficient data communication between the user interface and the SQL Server database
- Developed a full-stack.NET smart web application as a capstone project, demonstrating proficiency in C#, ASP.NET, and SQL Server to build a functional, data-driven solution.

## Projects

**Keratoconus Detection via Corneal Imaging Analysis**

- Objective: To design a machine learning system capable of detecting early-stage Keratoconus with higher accuracy than existing clinical software.
- Model Developed: Developed and trained a suite of machine learning models, including a Convolutional Neural Network (CNN), Random Forest, and XGBoost, to detect early-stage Keratoconus from corneal topography images.
- Engineered an image processing pipeline using Python with OpenCV and Pillow to preprocess and augment a dataset of over 2,000 corneal images, improving model robustness.
- Achieved a 94% detection accuracy with the CNN model, representing a 12% performance improvement over traditional systems using MATLAB and Support Vector Machines (SVM).
- Validated model performance using k-fold cross-validation and confusion matrix analysis to ensure results were statistically significant and not a result of overfitting.
- Technologies Used: Python, PyTorch, Scikit-learn, CNN, Random Forest, XGBoost, NumPy, OpenCV

**Synchronized Desktop Calendar**

- Tools Used: C#, .NET, SQL, XML
- Objective: To build a multi-user desktop application allowing teams to schedule meetings and share calendars in real-time.
- Architected and developed a client-server desktop application using C# and WPF (.NET Framework) to provide real-time calendar synchronization across multiple clients.
- Engineered and normalized relational database using SQL Server to manage all user, event, and calendar data, implementing stored procedures for efficient CRUD operations.
- Implemented a multi-user event scheduling module that detected and flagged potential conflicts by cross-referencing attendees shared calendars, improving scheduling efficiency.
- Utilized XML for data serialization and managing local user configuration settings, ensuring application state was persistently stored between sessions.

## Certifications

- Microsoft Certified: Azure Fundamentals (AZ-900) - [Date of achievement: August 9, 2022]
- Full stack .NET Smart Web App-L3 - [Date of achievement: November 30, 2022]
- Microsoft Certified: Azure Data Fundamentals (DP-900) - [Date of achievement: January 21, 2023]
- Tata-Cybersecurity Analyst Job Simulation - [Date of achievement: August 7, 2025]
- Career Essentials in Generative AI by Microsoft and LinkedIn - [Date of achievement: September 13, 2025