# Kousic Reddy Thimmareddy

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## EDUCATION

**University of North Carolina at Charlotte,** *Master's in Computer Science (GPA: 3.77)* **2024 May, USA**

**Vasavi College of Engineering,** *BE, Information Technology (8.24/10)* **2020 Sep, Hyderabad, India**

## SKILLS

**Programming:**
C, C++, C#, Java, Python.

**Database:**
SQL, Oracle DB, Postgres, MongoDB.

**Web Technologies:**
PHTML, CSS, JavaScript, TypeScript.

**Framework and Technologies:**
ReactJS, Angular, Node.js, .NET Core, .NET Framework.

**Automation Tools:**
Jenkins, Docker, Octopus.

**Management Tools:**
Git, GitHub, Bitbucket, Bamboo, Jira.

## PROFESSIONAL EXPERIENCE

**Software Engineer,** *Cotiviti India Pvt Ltd.* **2020 Nov – 2022 Dec, India**

***Project: Medical Viewer Application.***

- Contributed to developing a medical viewer application using ReactJS and .NET framework, which allowed clients to analyze clinical and financial data, resulting in a remarkable 60% reduction in processing time compared to the previous legacy version by following Scaled Agile principles.
- Played a pivotal role in shaping the product roadmap, contributing to feature decisions, and driving improvements in user experience. These efforts led to the successful deployment and utilization of the application, enabling clients to verify millions of medical records.
- Automated test case execution and report generation using Jenkins and Docker, resulting in a 30% reduction in post-deployment issues, ensuring deployment quality and streamlining development workflows.
- Received positive feedback from clients for the application's ease of use and accuracy.

***Project: Retrieval Management.***

- Collaborated with the retrieval team to manage, maintain, and redirect clinical data to relevant applications and services using Scaled Agile methodologies.
- Managed system requirements, updated functionalities, and resolved client issues while optimizing performance through RESTful APIs to enhance system interoperability and streamline data communication processes for optimal project progression and client satisfaction.
- Designed systems to optimize portal performance, resulting in a 20% improvement in the retrieval process and faster client access to clinical data.
- Developed and deployed a microservice using .NET Core with RabbitMQ message queues, facilitating efficient data exchange and seamless scalability, yielding a 40% reduction in processing time.
- Designed and executed migration strategies, transitioning legacy applications to a modern microservices architecture using .NET Core, enhancing scalability and efficiency.

**Software Development Intern,** *Cotiviti India Pvt Ltd.* **2020 Jan – 2020 Mar, India**

***Project: Cotiviti Sprint Retro Application***

- Developed and tested a web-based Sprint Retrospective application using Node.js, ReactJS, and PostgreSQL.
- Managed, planned, and validated the Sprint Retrospective application, providing a platform for internal
- Cotiviti teams to conduct retrospective meetings after a sprint development cycle.

## PROJECTS

**Rice Disease Classification App**

- Designed and launched an interactive Android application employing deep-learning models built with Keras. This innovative app effectively classifies diseases in rice crops and provides valuable prevention tips.
- Utilized technologies such as Android Studio and Python Keras.

**Trading Web Application**

- Developed a secure trading web app using MVC, Express JS, and MongoDB, with a permission-based approval system.
- Enhanced data security through robust authentication and authorization with password hashing.
- Additionally, modernized and migrated a TypeScript codebase using MVC, improving code maintenance and team collaboration for a 50% increase in development efficiency.

**Crime Visualization Tool**

- Created a crime visualization tool showcasing location-specific incident data within each state and historical state-wise crime rates over decades.
- This empowered users to analyze trends and led to a remarkable 33.3% increase in decision-making accuracy for living choices through advanced data visualizations, providing predictive insights for informed decisions.