

# Kiran Sai Madhuri Ragu

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Boca Raton, Florida, United States

## EDUCATION

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**Florida Atlantic University, Boca Raton, Florida**

*Master of Science in Computer Science*

Aug 2023 – April 2025

GPA: 3.7/4.0

## EXPERIENCE

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### Software Engineer

*OS2 Corp, Fort Lauderdale, FL, USA*

January 2025 – Present

*PHP, AI, Web Technologies, Python*

- Maintained & optimized PHP CodeIgniter backend for B2B procurement platform while building Python ETL/scraping pipelines and AI/LLM-integrated logic across MySQL, MongoDB, and Elasticsearch.

### Software Engineer

*Retriever, Deerfield Beach, FL, USA*

September 2025 – December 2025

*.NET, React.js, JUnit, Mockito, Python*

- Designed and developed scalable backend services using C# and ASP.NET Core, applying object-oriented principles and layered architecture.
- Applied Test-Driven Development (TDD) practices and implemented unit and integration testing using xUnit and Moq, improving code reliability and reducing production defects by 30%.
- Partnered closely with UI/UX teams to design data-driven user interfaces and deliver well-structured APIs, ensuring seamless integration and optimal frontend performance.
- Automated backend processes using Python, implementing efficient data processing and scripting solutions.

### Software Engineer

*Community Dreams, Orlando, FL, USA*

June 2025 – September 2025

*.NET, Rest Apis, MySQL/PostgreSQL, Angular, Jira*

- Developed RESTful APIs using .NET to support front-end applications and third-party integrations.
- Built and enhanced front-end components using Angular, HTML, CSS, and JavaScript to improve user experience.
- Optimized SQL queries and database schema to improve performance and data consistency.
- Worked in Agile teams using Git and Jira, contributing to sprint planning, development, and release cycles.

### Full Stack Software Engineer

*Persistent Systems Limited, Hyderabad, India*

June 2021 – July 2023

*C#, .NET, Java, Spring Boot, SQL Server, Angular, AWS*

- Developed full-stack enterprise applications using C# and .NET, integrating frontend interfaces with backend services to support high-volume transactional workflows.
- Designed backend service architectures using .NET and Spring Boot, enforcing clean architecture and OOP principles to improve maintainability, performance, and system scalability.
- Developed responsive front-end features using Angular, HTML, CSS, and JavaScript.
- Wrote efficient SQL Server queries and stored procedures to support transactional systems.
- Integrated third-party APIs and implemented secure authentication using JWT and OAuth.
- Supported production systems with ongoing maintenance, enhancements, and issue resolution.

## PROJECTS

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**Electronic Health Management System** | *Angular, Java, Spring Boot, Microservices, Kafka, Docker, PostgreSQL*

- Built a cloud-native health records system with user-role management, Kafka-based asynchronous messaging, and highly scalable microservices for efficient real-time data processing.
- Designed front-end dashboards and integrated REST APIs to streamline appointments and patient data access.

## TECHNICAL SKILLS

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**Languages & Frameworks:** C#, .NET Core, ASP.NET, Java, Spring Boot, TypeScript, SQL, HTML, CSS, Python

**Frontend Technologies:** Angular, React, jQuery, Bootstrap

**Backend & APIs:** Entity Framework, RESTful APIs, Microservices, JSON, SOAP Web Services

**Databases:** SQL Server, MySQL, PostgreSQL, MongoDB, Redis

**Tools & Source Control:** Git, GitHub, Postman, Jenkins, Docker, Jira

**Cloud Platforms & Practices:** Azure Cloud, AWS (EC2, S3, RDS), CI/CD, Agile/Scrum, SDLC, Object-Oriented Programming (OOP), Testing, Problem Solving