

# NAGASAI NADIPALLY

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## EDUCATION

### Master of Science, Information Technology

University of Cincinnati, Cincinnati, OH

Expected Graduation: May 2025

GPA: 4/4

### Bachelor of Technology, Electronics and Communication Engineering

Malla Reddy Engineering College, Hyderabad, Telangana, India

2019-2023

GPA: 3.6/4

## EXPERIENCE

### Application Developer – Java & Web Technologies

IBM, Bangalore, India

January 2023 – December 2023

- Developed and deployed client-oriented full-stack web applications utilizing Spring Boot (Java) and React.js, adhering to industry-standard architecture and maintaining clean coding principles.
- Performed debugging, troubleshooting, and ongoing enhancements to code quality, ensuring that applications are robust and user-friendly.
- Designed database structures and oversaw data storage layers utilizing MySQL, guaranteeing excellent data integrity and performance.
- Developed algorithms and RESTful APIs to fulfill business logic needs, while recording technical workflows and processes for team reference and future enhancements.
- Worked with various teams and internal stakeholders to collect and evaluate end-user needs, converting them into effective software solutions.
- Engaged in Agile project management by collaborating on sprint planning, attending daily stand-ups, and delivering iteratively, while adapting to swift updates and a fast-moving development environment.
- Implemented microservices within containerized settings utilizing Docker and handled API testing and validation through Postman and Swagger.

## SKILLS

**Programming & Scripting:** C, C++, C Sharp, Python, Java, JavaScript, SQL, HTML, CSS

**Frameworks & Libraries:** Spring Boot, React.js, Node.js, . Net, Bootstrap

**Web & App Development:** RESTful APIs, Responsive Design, UI/UX Principles

**Cloud & Databases:** Microsoft Azure, MySQL, PostgreSQL, MongoDB

**Tools & Technologies:** Git, Docker, Postman, Swagger, Visual Studio Code

**Software Development:** Agile Methodologies, Debugging, Unit Testing, Technical Documentation

**Data & Analytics:** Python (Pandas, Matplotlib, Seaborn), SQL Reporting

**Version Control & Collaboration:** GitHub, Agile/Scrum

**Other:** Fast learner, strong communication, client-facing experience, system support basics

## PROJECTS

### Restaurant Management System

IBM, Bangalore, India

August 2023 - November 2023

- **Technologies Used:** Angular, Java, Spring Boot, MySQL, Hibernate
- Created a comprehensive restaurant management system featuring separate functionalities for administrators and customers, utilizing Angular, Spring Boot, MySQL, and Hibernate. Facilitated real-time management of inventory and orders with a responsive user interface and backend services. Crafted system architecture, developed RESTful APIs, and managed database CRUD operations. Focused on delivering a user-friendly design and effective performance suited for practical applications. Documented the development processes and participated in an Agile environment to ensure timely delivery.

### Weather Forecast, Weather Application

Malla Reddy Engineering College, Hyderabad, India

November 2022 - December 2022

- **Technologies Used:** HTML, CSS, JavaScript, Node.JS
- Created a weather application that provided real-time forecasts based on user-inputted locations. The app fetched data from the OpenWeatherMap API and displayed it with features like temperature conversion. Built with HTML, CSS, JavaScript, and Node.js, it focused on API integration and user experience.

## CERTIFICATIONS

Application Developer – Java & Web Technologies | **IBM**

Introduction to programming using Java | **Microsoft**

Azure Fundamentals | **Microsoft**

Python for Data Science | **IBM**