

# RAMGOPALHYNDAY BOLLEPALLI

Charlotte, North Carolina

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## Education

### University of North Carolina at Charlotte

Aug 2023 – Dec 2024

*Masters in Computer Science GPA: 4.0 / 4.0*

*Charlotte, NC*

### Koneru Lakshmaiah University

Aug 2019 – Mar 2023

*Bachelors in Computer Science GPA: 3.6 / 4.0*

*Vijayawada, GNT*

## Relevant Coursework

- Cloud Infrastructure and Services
- Continuous Delivery and DevOps
- Database Management
- Object Oriented Programming
- Cloud and Serverless Computing
- Algorithms and Data Structures
- Operating Systems
- Visual Analytics
- Big Data Analytics for Competitive Advantage

## Experience

### Arete IT Services Private Limited

Jul 2022 – Nov 2022

*Full-Stack Developer Intern*

- Spearheaded the development of a real-time inventory management system, reducing out-of-stock incidents and saving the company in potential lost revenue
- Orchestrated and Managed a 3-member team in redesigning the checkout process, which resulted in a remarkable 30% reduction in cart abandonment
- Pioneered the integration of a user-friendly search bar, augmenting product discoverability by 25%
- Integrated a product search feature, improving user experience and increasing search accuracy by 20%

## Projects

### Job Portal Deployment on AWS: EC2, Elastic Beanstalk, MySQL, and Java Backend | *Using AWS* Sep 2024

- Resolved critical issues related to communication between the backend and the database, ensuring that data was properly redirected and displayed on the frontend, leading to improved data accuracy and faster page loads
- Reduced manual errors by 90% through the integration of AWS EC2, Elastic Beanstalk, and Amazon MySQL, ensuring a smooth deployment process and stable operations

### Deploying-2048-Game-on-AWS-Beanstalk-with-Docker-File | *Using DevOps and AWS* Nov 2023

- Achieved a significant reduction of manual errors by 90% through the seamless integration of Docker containers, ensuring smooth deployment and operation of the game
- Resolved critical real-time issues related to API communication between different components, resulting in an impressive uptime of 98% for the system

### Employee Database System | *Using AWS*

Dec 2022 – Mar 2023

- Enhanced data accessibility and retrieval efficiency by 40% through Amazon RDS, leading to faster decision-making processes
- Reduced image storage costs by 30% using Amazon S3, optimizing resource allocation and adhering to DevOps principles for efficient resource management
- Achieved a remarkable 99.9% uptime for the website hosted on Amazon EC2, ensuring uninterrupted service availability and quick deployment of updates

## Technical Skills

**Containerization and Deployment Tools:** Docker, Kubernetes, Amazon ECS, Amazon EKS

**Infrastructure as Code (IaC):** Terraform, AWS CloudFormation

**CI/CD Tools:** Jenkins, GitLab CI, Git, GitHub, Bitbucket

**Scripting & Automation:** Bash, Python, PowerShell

**Configuration Management:** Chef, Puppet

**Cloud Services:** AWS (Amazon Web Services)

## CERTIFICATIONS

AWS Certified Cloud Practitioner (Amazon Web Services),

AWS Academy Cloud Foundations(Amazon Web Services)

AWS Academy Cloud Architecting(Amazon Web Services),