

# RAMAKRISHNAGUPTHA MADDULA

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## OBJECTIVE

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Passionate Electronics and Communication Engineering graduate seeking an entry-level DevOps role to gain expertise in automation, cloud infrastructure, system reliability, and CI/CD pipelines. Proficient in AWS services, automation tools with a strong focus on driving cloud infrastructure efficiency and scalable deployments.

## EDUCATION

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<b>Bachelor of Technology - ECE</b> , RGUKT- Srikakulam CGPA: 8.00/10	<b>Expected 2025</b> AP, India
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<b>Pre University Course - PUC</b> , RGUKT- Srikakulam Percentage: 87%	<b>2019 - 2021</b> AP, India
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## SKILLS

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- **Languages:** Python, Shell Scripting
- **Databases:** MySQL, MSSQL
- **Version Control:** Git, GitHub
- **Systems & Scripting:** Linux (Ubuntu, CentOS), Bash
- **Technologies: AWS:** EC2, IAM, VPC, Route53, S3, EKS, ECR, RDS, ELB, Auto Scaling
- **Infrastructure as Code (IaC):** Terraform, CloudFormation
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Ansible
- **Monitoring: AWS:** Cloud watch, CloudTrail, Config
- **Relevant Coursework:** Networking, Operating Systems (OS), DBMS

## PROJECTS

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### CI/CD Pipeline for Microservices [Jenkins, AWS CloudWatch, ELK Stack, Python]

- Designed and developed an automated CI/CD pipeline for seamless integration, testing, and deployment of microservices, improving development efficiency.
- Deployed microservices on AWS EC2 with advanced load balancing and auto-scaling capabilities, achieving 99.9% system uptime.
- Reduced deployment time by 40% and configured robust monitoring with AWS CloudWatch and ELK Stack, enhancing response times by 50%.

### Automated AWS Resource Tracking [AWS CLI, Shell Scripting, Cron Job]

- Implemented a shell script leveraging AWS CLI to track AWS resources (EC2, S3, IAM), enabling real-time inventory updates and enhanced resource visibility.
- Automated report generation using Cron Job scheduling, reducing manual effort by 80% and increasing monitoring accuracy by 70%.

## CERTIFICATIONS

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Generative AI (Microsoft) | Python Crash Course (Coursera) ([View](#))

## SOFT SKILLS

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- **Problem-Solving:** Optimize cloud infrastructure, reducing downtime & improving performance.
- **Adaptability:** Quickly learn & integrate new DevOps tools, ensuring seamless deployment workflows.