

# Durga Kondaveeti

+1-(571) 748-3533 | [kondaveetidurga4@gmail.com](mailto:kondaveetidurga4@gmail.com) | [linkedin.com/in/kondaveetidurga](https://linkedin.com/in/kondaveetidurga) | [github.com/Durga-Kondaveeti](https://github.com/Durga-Kondaveeti)

## PROFESSIONAL EXPERIENCE

<b>Graduate Teaching Asst. - Cloud &amp; AI Infra IT 442</b> <i>George Mason University (AWS, Node.js, Python, Typescript CDK)</i>	<b>Jan 2025 – Present</b> <i>Fairfax, VA</i>
<ul style="list-style-type: none"><li>Mentored <b>200+ students</b> on <b>20+ AWS</b> and Azure services (EC2, S3, Lambda, SageMaker, Bedrock), Docker, and Terraform, delivering hands-on labs that earned a <b>100% satisfaction</b> rating.</li><li>Published <b>30+ technical resources</b> for system design, distributed system patterns, and Kubernetes orchestration tutorials with regular office hours, increasing student engagement.</li></ul>	
<b>Software Development Engineer</b> <i>Paytm contract (Tech Stack: Python, React, Django, Docker)</i>	<b>Aug 2023 – Aug 2024</b> <i>Noida, India</i>
<ul style="list-style-type: none"><li>Optimized React web application performance via code splitting, lazy loading, and Redis caching, reducing page load time from <b>2.9s to 1.6s</b> and boosting user engagement by <b>28%</b>.</li><li>Architected reusable component libraries and established Jest testing protocols for <b>35+ core modules</b>, improving code coverage and reducing regression bugs by <b>25%</b>.</li><li>Designed CI/CD pipelines using Jenkins and GitHub Actions for <b>100+ microservices</b>, integrating SonarQube for static analysis, which reduced release cycle time by <b>33%</b>.</li><li>Contributed to the migration of <b>25+ services to AWS</b>, utilizing Docker and Terraform for infrastructure-as-code, resulting in a <b>19%</b> reduction in operational costs.</li></ul>	
<b>Software Engineering Intern</b> <i>AICTE - Jio</i>	<b>Jan 2023 – June 2023</b> <i>Mumbai, India</i>
<ul style="list-style-type: none"><li>Built an automated support ticket classification model using Scikit-learn, achieving <b>95% accuracy</b> on 100K+ records and saving the operations team <b>30+ hours/week</b>.</li><li>Developed a backend forecasting service using Node.js and SARIMA models, optimizing XML parsing logic to O(n) to achieve <b>65% faster response times</b>.</li></ul>	

## PROJECTS

<b>Regex Backtracking Visualizer</b>   <i>React, TypeScript, AST Parsing</i> [ <a href="#">Demo</a> ]	
<ul style="list-style-type: none"><li>Built a custom Regex engine to visualize <b>recursive backtracking</b> and greedy matching steps in real-time, helping developers debug complex patterns.</li></ul>	
<b>NLU Code Explainer LLM</b>   <i>Python, Llama 2, QLoRA, PEFT</i> [ <a href="#">GitHub</a> ]	
<ul style="list-style-type: none"><li>Fine-tuned <b>Llama 2</b> using QLoRA and AST-based feature extraction to generate human-readable code explanations, improving semantic accuracy by <b>20%</b> over base benchmarks.</li></ul>	
<b>CLIP-based Image Understanding</b>   <i>PyTorch, ViT-B/32, Mask R-CNN</i> [ <a href="#">GitHub</a> ]	
<ul style="list-style-type: none"><li>Implemented text-to-image retrieval and zero-shot classification; achieved <b>Recall@1=0.91</b> on CIFAR-10 by utilizing cosine ranking and OOD (Out-of-Distribution) abstention mechanisms.</li></ul>	

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, JavaScript, TypeScript, SQL  
**Frameworks:** React, React Native, Node.js, Django, Spring Boot, GraphQL  
**Cloud & DevOps:** AWS (Lambda, DynamoDB, EC2), Docker, Kubernetes, Terraform, Jenkins, CI/CD  
**Certifications:** AWS Developer Associate, Oracle Cloud Infrastructure, Red Hat Enterprise Developer

## EDUCATION

<b>George Mason University</b> <i>Master of Science in Computer Engineering</i>	<b>Fairfax, VA</b> <i>Aug 2024 – May 2026</i>
<b>Koneru Lakshmaiah University</b> <i>Bachelor of Science in Computer Science</i>	<b>Vijayawada, India</b> <i>Jul 2020 – Apr 2024</i>