KARTHIK ANKIRAOPALLY

WEB DEVELOPER INTERN

Hyderabad, India 500015 ◆ +91-9640016383 ◆ ankiraopally.Karthik.0182@gmail.com ◆

LinkedIn: https://www.linkedin.com/in/ankiraopally-karthik-6

CAREER OBJECTIVE

Cloud and Full Stack Developer with 1 year of hands-on experience in designing, deploying, and managing scalable applications using AWS services and modern web technologies. Proficient in AWS (EC2, S3, RDS, Lambda, VPC), Kubernetes (EKS), and containerized deployments. Skilled in building responsive front-end interfaces using React.js and integrating RESTful APIs developed with Spring Boot and Java. Experienced in real-time application development, including geospatial-enabled waste management platforms and static website hosting on AWS. Demonstrated ability to collaborate with cross-functional teams, automate deployments, and optimize user experience. Strong foundation in DevOps principles, cloud security, and agile development practices.

TECHNICAL SKILLS

Programming: Python, Java, SQL, HTML, CSS, React.js

Tools: GitHub, VS Code

Spring Framework (Spring Core, Spring MVC)

RESTful Web Services (REST APIs)

Cloud: AWS (EC2, S3, RDS, VPC, Lambda), AWS Management Console

JDBC

Spring Boot

Microservices (Basics)

EXPERIENCE

Web Development Intern, 07/2024 - Current

TheUdyog.ai – Hyderabad

- Designed and implemented a responsive web interface for the smart waste management platform
- Created an interactive dashboard to display geospatial bin locations using mapping APIs.
- Integrated QR code-based reporting system with Google Forms to streamline citizen complaints.
- Enabled real-time complaint status tracking through dynamic frontend components.
- Focused on clean UI/UX to ensure accessibility for both municipal staff and public users.
- Visualized TSP-based optimal routes for waste collection to assist field teams with navigation.
- Collaborated with the backend team to ensure smooth data flow between reporting tools and dashboard.
- Ensured cross-browser compatibility and mobile responsiveness for field use.

Projects

- **AWS EKS Cluster Setup & Application Deployment**

  Created and managed Amazon EKS clusters with worker nodes using eksctl to support scalable Kubernetes workloads. Deployed containerized applications using Kubernetes manifests, including Deployment, Service, and Ingress resources. Configured IAM Roles for Service Accounts (IRSA) to securely manage AWS resource permissions within the cluster.

- **Static Website on Amazon S3**

  Hosted a static website with S3 and CloudFront for performance and cost-efficiency.

- **Geospatial-Enabled Smart Bins: Optimizing Waste Management for a Cleaner Environment Aug-2024**

  Developed and implemented an innovative waste management system using geospatial technology to optimize bin placement, improve waste collection efficiency, and minimize environmental impact. Integrated IoT-based smart bins with real-time monitoring and data analytics to enable dynamic route optimization and predictive maintenance. The project was published in the International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 12, Issue IV, April 2024

Education

Bachelor of Technology: Computer Science And Engineering, 06/2024
Institute of Aeronautical Engineering - Hyderabad, India

Intermediate: MPC, 06/2020
Krishnaveni Junior College - Kottagudem, India

Board of Secondary Education: 05/2018
ZP Boys School - Hyderabad, India

Certifications

DevOps Professional Certificate from PagerDuty and Linkedin

AWS Solutions Architect Job Simulation from Forage

Machine Learning Capstone From Coursera

Complete Full stack web development from Udemy