MUKESH T

AWS Cloud & DevOps Enthusiast

CONTACT INFO

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PROFESSIONAL SUMMARY

Final-year B.Tech student specializing in Cybersecurity and Digital Forensics with strong practical expertise in AWS cloud infrastructure and DevOps methodologies. Experienced in deploying and managing a wide range of AWS services such as EC2, S3, IAM, VPC, RDS, ECS, Lambda, CloudWatch, ELB, Auto Scaling, API Gateway, SQS, SNS, and Elastic Beanstalk. Proficient in containerizing applications using Docker and automating deployments through CI/CD pipelines with GitHub Actions.Additionally knowledgeable in cybersecurity and cloud security best practices. Actively seeking a DevOps internship to contribute to cloud-native projects and transition into a full-time role.

SKILLS

Cloud Platforms: AWS (EC2, S3, IAM, ECS, ECR, Lambda, CloudWatch, CloudTrail, VPC, Route 53, ELB, Auto Scaling, RDS, SQS, SNS, CloudFormation, API Gateway, AWS Fargate, Elastic Beanstalk)
DevOps Tools: Git, GitHub Actions, Docker, Terraform (basic), Jenkins
Programming & Scripting: Bash, Python, HTML, CSS, JavaScript
Operating Systems: Linux, Windows
Additional Skills: Cyber Security,Incident Response Management,Vulnerability Assessment

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL *(2022-2026)*
B.Tech Computer Science and Engineering (Cyber Security and Digital Forensics)
CGPA 8.4
Chinmaya Vidyalaya, Nagapattinam, Tamil Nadu *(2022)*
12th Grade , PCMC

PROJECTS

- Ping Pong Game – DevOps Workflow Implementation: Containerized a ping pong game using Docker and deployed it on AWS ECS. Followed complete DevOps practices including Docker image creation, container orchestration, and CI/CD setup with guided scripts. Gained hands-on experience in application deployment, cloud integration, and automation workflows
- Fade Away – Ephemeral Chat App: Developed a privacy-focused web messaging app with secure, time-limited communication, hosted on AWS, emphasizing user control and digital confidentiality.
- Text Encryption Model: Worked on a basic encryption system to secure textual data using custom encoding logic, exploring core concepts in data confidentiality and cryptography.
- Log Analyzer: Assisted in building a tool to parse and analyze system logs for potential security threats, gaining exposure to log formats and anomaly detection techniques.

EXPERIENCE

- AWS Cloud Projects: Worked on hands-on AWS labs and deployments, including launching EC2 instances, managing IAM roles and policies, setting up ELB, Auto Scaling, and designing secure VPC architectures.
- DevOps Project – Self-Initiated: Executed a full DevOps workflow by containerizing a ping pong game using Docker and deploying it on AWS ECS. Implemented CI/CD pipeline with GitHub Actions using guided scripts. Gained real-world exposure to automation, containerization, and deployment pipelines.
- Fade Away Chat App: Built a privacy-focused chat app with time-limited messaging, developed the frontend UI, integrated Firebase for real-time functionality, and deployed the app on AWS cloud infrastructure.
- Technical Assistant – Vityarti: Supported documentation, basic tech setups, and project coordination tasks.
- Social Media Content Creator: Managed a personal Instagram page, creating regular content to build engagement.
- Technical Mentor: Guided peers in understanding university concepts such as cybersecurity, digital logic, and architecture.

CERTIFICATIONS & BADGES

- AWS Cloud Practitioner Essentials
- AWS Badges: Storage, Compute, Networking, Databases, Cloud Operations, Security, Serverless
- Google Certified Cybersecurity Professional
- Incident Response Basics
- Introduction to Blockchain & Blockchain Technologies
- Bits and Bytes of Computer Networking

EXTRACURRICULAR ACTIVITIES

- Technical Team Member & Event Organizer, Model United Nations (MUN) Club
- Public Outreach & Hospitality Team Member, MUN Club
- Event Organizing Committee Manager & Content Creator, Tamizh Mandram
- Public Outreach Team Member, E-Com Club