

# Akash Raghav M

## Cloud Security & DevSecOps Engineer

Progressive experience in Threat Modeling & Penetration Testing of Cloud-based Business Applications, AWS & Azure Cloud Native Security Engineering, Implementation of DevSecOps & Security Automation with IaC, and Risk Remediation Support. Looking for a consulting role covering DevSecOps, Cloud Security Automation, and Application Security Assessments & Engineering.

✉ connect@akashraghav.com

📍 Chennai, India

🌐 linkedin.com/in/m-akash-raghav

📞 +91 98402 23480

🌐 akashraghav.com

🐙 github.com/raghav-sec

## EDUCATION

### Cybersecurity - Risk Management

Havard University

11/2021 - Present

Cambridge, USA

### Bachelor of Technology - Information Technology

Panimalar Engineering College

08/2016 - 06/2020

Chennai, India

## CERTIFICATES

Certified AWS Cloud Security Professional (PACSP)  
(10/2021) [🔗](#)

Pentester Academy

Certified Ethical Hacker (C|EH) (03/2018) [🔗](#)

EC-Council Certified Ethical Hacker. Certificate Number - ECC51482283664

Python (07/2017) [🔗](#)

University of Michigan, Coursera

Penetration Testing and Ethical Hacking (06/2015) [🔗](#)

Certificate Number - C-5b919b34-a2f5b1

## SKILLS



## WORK EXPERIENCE

### Cloud Security & DevSecOps Engineer

Larsen & Toubro (L&T) - Smart World

07/2021 - Present

Chennai, India

Achievements/Tasks

- Reviewed and implemented cloud security architecture & engineering for enterprise migration projects, application re-platforming projects, identity & access re-engineering projects.
- Performed and consulted security assessments on Azure/AWS cloud architectures, cloud infrastructure & service automation, agile-based DevSecOps implementation, cloud-hosted applications and microservices container security.
- Illustrated business platform security design review, threat modelling with data flow diagram, multi-tenancy architecture, data isolation, internal & external integrations.
- Reviewed and implemented identity & access including RBAC design per business processes, data encryption & key management, cloud infrastructure and cloud-native services security and audit configurations reducing the security risk by 60%.
- Consulted on the agile-based AWS, Azure & On-Premises DevOps implementation covering security toolchain integration including credential scanner, SAST & SCA, DAST and container image scanners with CI build pipeline to identify vulnerabilities.
- Fielded secure design and implementation of micro-services in Kubernetes Service and related integration with AWS, Azure, On-Premises DevOps for continuous deployment.

## WORK EXPERIENCE

### Cybersecurity Intern

#### Larsen & Toubro (L&T) - Smart World

09/2020 - 07/2021

Chennai, India

##### Achievements/Tasks

- Designed and Developed ARTAS, an in-house vulnerability management platform used to manage the application security program, maintain product and application information and triage vulnerabilities across sites in the organization.
- Executed Web Application Penetration Testing/Vulnerability Assessment for L&T EduTech Learning Management System platform with detailed report, findings, summary and recommendations to ensure the safe deployment of the application in the next iteration.

### Research Intern

#### Indian Institute of Technology (IIT), Madras

05/2019 - 06/2019

Chennai, India

##### Achievements/Tasks

- Integrated 'SHAKTI' an indigenously developed processor based on the 'RISCV' architecture to PlatformIO which reduced the time taken for developers in integrating, testing and running their code by 75%.
- Collaborated in publishing a paper and presentation on "SHAKTI E-class SDK and IDE for IoT Applications" at RISC-V Conference.
- Facilitated cross-platform compatibility and functionality of SHAKTI using QEmulator.
- Transformed existing features and functionalities SHAKTI.

## ACHIEVEMENTS

### Top 15 National Finalist - CSI InApp Awards (2017)

One among the Top 15 Finalist in CSI InApp Awards participated by more than 3500+ participants.

### Best Student Innovator (10/2019)

Awarded 'Best Student Innovator' of Panimalar Engineering College for my involvement and contribution to research and projects.

### Best Student Project (09/2019)

Awarded the 'Best Student Project' of India under the IoT & Automation category for Agriculture by the Computer Society of India, Mumbai Chapter during the TechNext 2019 event.

### Under 100 in IEEE Xtreme 11.0 Competition

Secured 93rd position under R-10 Asia Pacific region & World rank 895 out of 4862 participating teams in IEEE Xtreme 24-Hour Programming Contest 11.0

## ORGANIZATIONS

### OWASP Chennai Chapter (08/2017 - Present)

Member

### Nullcon (12/2018 - Present)

Member

### Institute for Electrical and Electronics Engineers (08/2016 - 08/2020)

College Society Chairman - Computational Intelligence Society (CIS)

### Computer Society of India

Associate Member

## VOLUNTEER EXPERIENCE

### Cyber Crime Intervention Officer - First Responder

#### National Security Database

11/2021 - Present

India

##### Tasks/Achievements

- Assist the local law enforcement agencies and cyber crime victims and reduce the time taken for resolution by 25%.

### Captain

#### Road Safety Patrol

07/2012 - 02/2016

Chennai, India

##### Tasks/Achievements

- Commanded the RSP squadron during the 2015 Republic Day March past at Marina Beach, Chennai.
- Directed many Road Safety Awareness campaign and contributed in reducing road-related accidents by 84%.