

# Archit Madankar

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## EXPERIENCE

### Software Engineer Intern

Jan 2024 – June 2024

*HIDS Technologies*

*Pune, MH*

- Developed an IoT Backend System using AWS Cloud with a team of 6 in an Agile/Scrum environment
- Utilized AWS services such as AWS CloudFormation, AWS Lambda, AWS Amplify, and AWS Cognito to ensure authentication and connectivity for the device
- Implemented SEO optimization techniques to improve the website's search engine ranking and user reach

## TECHNICAL SKILLS

**Programming Languages:** Python, Bash, Java, C/C++, SQL

**Web Technologies:** HTML/CSS, JavaScript, Flask, Node.js

**DevOps and CI/CD Tools:** Docker, Jenkins, Git

**Operating Systems:** Linux(Ubuntu, ArchLinux, Debian), Windows

**Cybersecurity Tools:** Snort, Splunk, Metasploit, Hashcat

## PROJECTS

### Home Lab | *Windows Server, Active Directory, Kali Linux, Docker, Python, Splunk*

May 2024 - Nov 2024

- Used industry-standard tools like Nmap, Metasploit, and Burp Suite for network enumeration, vulnerability assessment, and exploitation.
- Practiced exploiting web application vulnerabilities such as SQL injections, cross-site scripting (XSS), and command injections.
- Demonstrated proficiency in Active Directory security by conducting attacks like LDAP Domain Dump, SMB relay, and password spraying to identify and mitigate weaknesses.
- Implemented Splunk for centralized log management, installation, and monitoring of system events and network traffic.
- Enhanced practical skills in network scanning, vulnerability management, password cracking, and hash manipulation within a controlled lab environment.

### CloudNode Automator | *Node.js, Docker, Jenkins, AWS ECS*

Nov 2024 – Jan 2025

- Containerized the application using Docker for scalability and portability.
- Automated CI/CD pipelines using Jenkins to handle code builds, tests, and AWS ECS deployments.
- Deployed the containerized application to AWS ECS with Fargate for a managed container solution.
- Integrated AWS CloudWatch for real-time application monitoring and logging.

## EDUCATION

### MIT World Peace University

Pune, MH

*Master of Computer Application*

*July 2022 – July 2024*

### Makhanlal Chaturvedi University

Bhopal, MP

*Bachelor of Computer Applications*

*July. 2019 – June 2021*

## CERTIFICATIONS

- **Google Cybersecurity Specialization** — Coursera
- **AWS Cloud Technical Essentials** — AWS SkillBuilder
- **IBM Cybersecurity Fundamentals** — IBM
- **Cisco CyberOps Associate** — Cisco Network Academy