

# DIKESH GAUTAM

📍 Gondia (MH)    ✉ dikeshgautam09@gmail.com    ☎ +91 8010948092    🌐 dikeshgautam.vercel.app  
in dikesh-gautam    🌐 dikesh098

## Summary

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Cybersecurity and Software Development graduate with hands-on experience in secure application development, SOC fundamentals, and data analysis. Skilled in identifying vulnerabilities, building secure systems, and applying AI/ML knowledge to enhance security workflows. Passionate about ethical hacking, penetration testing, and developing scalable software solutions.

## Skills

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- **Cybersecurity:** SOC Fundamentals, SIEM (Splunk, ELK), Network Security, Vulnerability Assessment, Linux Security, Wireshark, Nmap, Burp Suite
- **Programming & Development:** Python, JavaScript, SQL, Java, HTML/CSS
- **Frameworks & Tools:** React, Node.js, Firebase, API Development, Git/GitHub
- **Other Expertise:** Artificial Intelligence, Machine Learning, Deep Learning, Data Analytics

## Education

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### University of Mumbai

Jan 2021 – May 2025

BE in Artificial Intelligence & Machine Learning

- CGPI: 7.04/10.00
- **Key Coursework:** Cybersecurity, Operating Systems, Deep Learning, Natural Language Processing, Computer Vision

## Experience

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### Application Developer Intern

Jun 2023 – Dec 2023

NY Online Solutions

- Developed and maintained Android application solutions using React Native.
- Gained hands-on experience in mobile app development with focus on cross-platform functionality
- Integrated Firebase backend services for real-time data synchronization, authentication, and cloud storage.
- Improved application performance by ensuring error-free coding and testing.

### Web Developer Intern

Dec 2022 – Jan 2023

Suvidha Foundation

- Designed and updated an educational website (CODE KARO YAARO) to enhance the learning experience for kids and parents.
- Worked on both front-end and back-end features as per client requirements.
- Enhanced user interface to improve accessibility and ease of use.
- Ensured timely delivery of updates and effective client communication.

## Projects

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### E-Sakha (Live Project)

[www.esakha.in](http://www.esakha.in) 

- Designed and deployed a responsive website for a client using React.js.
- Focused on clean UI/UX, smooth navigation, and mobile-first design.
- Integrated dynamic components and optimized for cross-browser and cross-platform compatibility.
- Improved client's online presence and customer engagement through an easy-to-use website.
- Implemented SEO-friendly structure and performance optimization, ensuring faster load times and higher visibility.

## Portfolio Website

[dikeshgautam](#) 

- Designed and deployed a personal portfolio on **Vercel** showcasing projects & certifications.
- Implemented responsive UI with React & Tailwind.

## Adaptive Game AI (Final Year Project)

- Designed an AI-driven adaptive navigation system in Unity using priority matrices and vectorbased navigation.
- Enabled game characters to make dynamic decisions based on in-game priorities and environment changes.
- Improved gameplay experience by creating intelligent, human-like AI behavior.

## Cybersecurity Mini Projects

- Conducted vulnerability scans and implemented secure authentication modules in test applications.
- Built a simulated SOC dashboard integrating log monitoring & alerting.

## Vulnerability Scanner

- Created a custom Python-based vulnerability scanner for detecting common OWASP issues.
- Automated reporting for weak credentials, SQLi, and XSS attempts.

## SOC Simulation & Log Analysis

- Built a simulated SOC dashboard integrating log monitoring, SIEM alerts, and incident detection.
- Used Splunk & Wireshark for analyzing attack traffic.

## Certifications

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- **Introduction to Cybersecurity** : Cisco Networking Academy
- **Generative AI Foundations** : Amazon Web Services (AWS)
- **Cisco Cybersecurity Essentials** (In Progress)
- **FreeCodeCamp Responsive Web Development**

## Soft Skills

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- Analytical Thinking
- Problem-Solving
- Adaptability
- Collaboration
- Communication