

Yathwik A Shetty

+91 6360083764 | yathwikshetty21@gmail.com | linkedin.com/in/yathwik-shetty21 | github.com/yathwxk

EDUCATION

Ramaiah Institute of Technology

Bachelor of Engineering in Computer Science & Engineering (Cybersecurity)

Bangalore, India

Aug 2022 – Present

- **CGPA:** 7.16
- **Relevant Coursework:** Penetration Testing, SCADA Security, Cryptography, Network Security, Security Audit and Compliance

Expert PU College

PU – Karnataka State Board 96.8%

Mangalore, India

Graduated: 2022

PROJECTS

Uterine Fibroid Diagnosis | *U-Net++*, *EfficientNet-B5*, *FastAPI*, *React.js*

Jan. 2025 – Apr. 2025

- Developed an automated medical image analysis system using deep learning for accurate fibroid segmentation
- Implemented data analysis pipeline processing 1000+ ultrasound images with 99.7% accuracy
- Created interactive dashboards with real-time data visualization and automated report generation

AutoVAPT-R | *Python*, *Bash*, *Multiprocessing*

Mar. 2025 – Jun. 2025

- Built an automated vulnerability assessment and penetration testing toolkit integrating Nmap, Nikto, Gobuster, WhatWeb, and SQLMap
- Leveraged Python multiprocessing to parallelize SQL injection testing and reduce scan time significantly
- Implemented a modular CLI with support for both IP and URL-based scans and custom scan configurations
- Created structured reports summarizing scan metadata, vulnerabilities, and findings
- Enhanced path discovery by combining Gobuster enumeration with hard-coded injection-prone endpoints and HTTP status filtering

SCADA Security Framework | *Python*, *AWS*, *SQL*, *NetworkX*, *Matplotlib*

Mar. 2024 – May 2025

- Designed and implemented automated network traffic analysis system for industrial control systems
- Developed data processing pipelines for real-time anomaly detection and threat analysis
- Created interactive dashboards for visualizing network patterns and security metrics
- Implemented automated reporting system for compliance and security status tracking

Sentiment Analysis App | *Python*, *Flask*, *SQL*, *D3.js*, *AWS*

Mar. 2024 – Apr. 2024

- Built automated sentiment analysis pipeline processing 10,000+ text entries daily
- Implemented data analysis features including trend analysis and sentiment correlation
- Developed interactive visualizations for real-time sentiment tracking and reporting

TECHNICAL SKILLS

Programming & Scripting: Python, PowerShell, Bash, JavaScript, C/C++, Java

Cloud Platforms: AWS, Google Cloud Platform, Azure

Data Analysis & Visualization: SQL, Excel, Tableau, Matplotlib, D3.js

Automation & DevOps: Git, Docker, CI/CD, Linux, VS Code

Web Technologies: HTML, CSS, REST APIs, React.js, Node.js

AI & ML: PyTorch, Scikit-learn, Data Analysis, Explainable AI

Security & Tools: Wireshark, SIEM tools, Firewalls, VPNs

CERTIFICATES

- Advanced Cybersecurity Training – Visiminds Technologies
- Mobile App Development Workshop – Ramaiah Institute of Technology
- Google Cloud Cybersecurity Certificate
- AWS Academy Cloud Foundations Certificate