

Professional Summary

Aspiring Cybersecurity & Software Engineer with hands-on experience in Java, CSS, HTML, MATLAB, MySQL, and web development. Completed projects in Wi-Fi Penetration Testing, CO₂ Detection with IoT, and a habit tracker in Java. Skilled in basic network security, vulnerability scanning, and secure coding practices. Certified in Ethical Hacking, Cybersecurity Essentials, and Database Foundations. Passionate about building safe, efficient software solutions and applying technology for problem-solving across domains.

Skills

- **Programming Languages:** Java, MATLAB
- **Database Management:** MySQL
- **Version Control:** Git & GitHub
- **Web Development:** HTML, CSS
- **Design & Prototyping:** Figma
- **Data Handling:** MS Excel
- **Cybersecurity:** Cybersecurity Fundamentals, Ethical Hacking Basics

Education

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING – 7.04 CGPA **2021-2025**

Kalasalingam Academy of Research and Education, Virudhunagar, Tamil Nadu.

HIGHER SECONDARY EDUCATION – 85% **2020-2021**

Achyuta Matric Higher Secondary School, Dindigul, Tamil Nadu.

SECONDARY SCHOOL LEAVING CERTIFICATE – 72% **2018-2019**

s.s.m Matric Higher Secondary School, Dindigul, Tamil Nadu.

Work Experience

REGAMI SOLUTIONS - SOFTWARE DEVELOPMENT AND SUPPORT - Intern - Chennai, India **June 2023 - July 2023**

- Assisted the mobile app development team with testing and identifying bugs.
- Documented features, workflows, and technical notes for project reference.
- Conducted research on Android development tools and best practices.
- Supported the team in preparing UI/UX design resources and improving app usability.

Projects

STUDENT RECORD MANAGEMENT - Personal project - Java **2022 - 2023**

- Designed and developed a Java-based console application to manage student records using Object-Oriented Programming concepts.
- Implemented CRUD operations (Create, Read, Update, Delete) with ArrayLists for efficient data handling.
- Applied exception handling and menu-driven interaction for a smooth user experience.
- Practiced real-time debugging and maintained a modular code structure for better readability and scalability.

SMART HABIT TRACKER -Personal Project - java

2024 - 2025

- Developed a Java-based console application to track daily habits with goal streaks, improving personal productivity tracking.
- Implemented file-based persistent storage using Java Serialization, ensuring data is retained between sessions without a database.
- Designed a menu-driven interface with input validation and dynamic habit completion tracking.
- Incorporated streak-based progress monitoring and motivational feedback to encourage habit consistency.

DEEP FAKE DETECTION IN MEDICAL IMAGES - VAE - GAN

2023 - 2024

- Engineered a deep learning pipeline combining Variational Autoencoder (VAE) and Generative Adversarial Network (GAN) for detecting manipulated medical images.
- Integrated Particle Swarm Optimization (PSO) for automated hyperparameter tuning, improving model performance and detection accuracy.
- Implemented advanced preprocessing techniques, including noise reduction and contrast enhancement, to improve image feature quality.
- Achieved a detection accuracy of 95.8%, outperforming conventional CNN-based models in precision, recall, and specificity.

PERSONAL PORTFOLIO WEBSITE -Personal Project - HTML AND CSS

2024 - 2025

- Designed and developed a responsive single-page personal portfolio using HTML, CSS, showcasing projects, skills, and certifications.
- Implemented an interactive dark/light theme toggle and client-side project search for better user experience.
- Optimized layout and styling for mobile and desktop devices, ensuring consistent rendering across browsers.

Achievements and Certifications

- Certified as an **Information Security Manager** by **Udemy**
- Certification as an **Ethical Hacker** by **CISCO**
- Certification on **Cyber Security Essential** by **CISCO**
- Certification on **Java Complete Course** by **Udemy**
- Certification on **Database Foundations** by **Oracle**
- Certification on **Cloud Infrastructure 2023 Data Science Professional** by **oracle**

Hobbies & Interests

- Film Analysis & Story telling
- Content Creation & Blogging
- Creative Script Writing