

# NIDHEESH UK

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## Education

**B.E Computer Science and Engineering(Cyber Security)**

Karpagam College of Engineering, Coimbatore

**(2022 – 2026)**

CGPA 8.40

## Experience

**BYTS**

Intern

**(July 2023 – August 2023)**

Coimbatore

- Gained knowledge on Python Programming

## Certifications

**Introduction to Cyber Security**

EC-Council | Online

**(July 2024 – July 2024)**

- Understanding of fundamental cybersecurity principles.
- Learned about threats, vulnerabilities, and basic defense strategies.

**Python Programming**

BYTS | Offline

**(July 2023 – August 2023)**

- Comprehensive coverage of Python programming basics.
- Developed problem-solving skills and built foundational programming logic.

Other 20+ Minor Certifications

## Projects

**Fake ID Detection | Python, TensorFlow, Jupyter, Colab**

**(January 2024 – May 2024)**

- Developed a system for data preprocessing, exploratory data analysis (EDA), and deep learning model construction for binary classification.
- Roles included data preprocessing, model design using TensorFlow/Keras, and performance analysis using metrics like accuracy, confusion matrix, and classification report.
- The project successfully enhanced model performance through data standardization and fine-tuning, providing valuable insights into the model's learning dynamics.

**Library Management System | PHP, MySQL, XAMPP**

**(July 2023 – August 2023)**

- Developed a web application for efficiently managing library books, including functionalities for book lending, returns, and inventory management.
- Led the design and implementation of the backend using PHP and MySQL and utilized XAMPP for local development and testing.
- Enhanced user experience by designing responsive and intuitive interfaces with HTML, CSS, and Bootstrap, resulting in streamlined library operations and improved user engagement.

**Wi-Fi Deauthentication Tool | Bash, Aircrack-ng Suite**

**(July 2024 – August 2024)**

- Developed a Bash script for managing and testing Wi-Fi networks, designed specifically for educational and penetration testing purposes.
- Utilized the Aircrack-ng Suite for network monitoring and packet injection, along with iwconfig for managing Wi-Fi adapter configurations.
- Key features include scanning Wi-Fi networks, selecting specific networks for monitoring, and executing deauthentication attacks on individual or all clients connected to a network.

## Technical Skills

Python | JavaScript | Java | C++ | C |  
Linux | Kotlin | SpringBoot | SQL | API |  
VMWare | IntelliJ | VSCode | XAMPP |  
Networks (IPv6, Routing, DHCP, DNS)

## Achievements

Hackathon | HackElite 2023 Participation  
Hackathon | IPv6 – Deployment (NITK)  
Paper Presentation | Fake Social Media  
Profile Detection Using ML

**Soft Skills**

- Problem Solving
- Analytical Thinking
- Teamwork
- Communication

**Professional Memberships**

Membership	(From – To)
The Institution of Engineers (IEI, India)	
APINIC Student Membership	