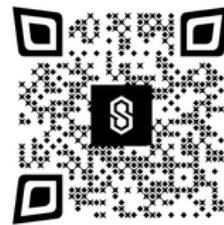# NIRANCHAN D
STUDENT

CONTACT

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✉ niran1470@gmail.com

🌐 https://c4rb0n.in

📍 Karaikal, India 609609

TECHNICAL SKILLS

- Programming Languages: Python, , C, JavaScript, Java, Bash
- Web Development: HTML, CSS, JavaScript, Bootstrap
- Databases: SQL, MariaDB, Oracle (gaining experience)
- Operating Systems: Windows, Linux, macOS
- Version Control: Git, GitHub
- Networking Concepts
- IoT and Industry 4.0
- Computer Hardware and Troubleshooting (CompTIA A+)

DESIGN SKILLS

- UI/UX Design
- Graphic Design: Illustrator, Photoshop
- Wireframing and Prototyping: Sketch, Figma.

SOFT SKILLS

- Teamwork and Collaboration
- Communication (written and verbal)
- Time Management
- Adaptability
- Critical Thinking
- Problem Solving

EDUCATION

- Bachelor of Engineering in Computer Science and Design (In progress) Kongu Engineering College, Erode, Tamilnadu, India.
- Higher Secondary Certificate (HSC) Good Shepherd English School, Karaikal, Puducherry.
- Secondary School Leaving Certificate (SSLC) Kendriya Vidyalaya, Karaikal, puducherry.

LANGUAGES

English ◆◆◆◆◇

Tamil ◆◆◆◇◇

Hindi ◆◆◇◇◇

PROFESSIONAL SUMMARY

Cybersecurity enthusiast and driven student actively pursuing academic and professional growth in the technology sector. Gaining knowledge in networking concepts and IoT. Continually learning and developing expertise in AI and other emerging technologies. Committed to staying current with industry advancements and excelling in fast-paced environments with tight deadlines. Skilled at embracing new challenges and acquiring new skills to effectively contribute to team success and organizational growth.

PROJECTS AND COMPETITIONS

ANTI-KIDNAP ALERT SYSTEM (DESIGN THINKING COURSE, SECOND SEMESTER)

- Conceived and initiated an innovative solution to address child kidnapping issues by developing an RFID-based system to monitor and alert parents when their child boards or disembarks a school van.
- Collaborated with a team to design and implement RFID scanners using Raspberry Pi and RFID HAT for real-time tracking and processing of student data.
- Contributed to the development of a back-end database using MariaDB to store student information and manage RFID tags.
- Utilized Python for data processing and communication between the RFID scanner and the database.
- Helped create a web app for school administrators to pre-register student details and integrate them into the database.
- Developed and implemented project plans and budgets to ensure successful execution.
- Played a key role in enhancing safety and peace of mind for parents by sending SMS notifications upon children's boarding and disembarking from the school van.

INTERNAL HACKATHON, KONGU ENGINEERING COLLEGE

- Led Team ShadowShell to secure 3rd place in the competition.
- Competed against other teams in developing innovative cybersecurity solutions, and was selected as one of the top 10 teams to represent the college in the KAVACH 2023 Hackathon.

KAVACH 2023 HACKATHON (IN PROGRESS)

- Leading and collaborating with a team to develop innovative cybersecurity solutions using artificial intelligence, deep learning, machine learning, automation, big data, and cloud computing.
- Participating in a national-level competition organized by MoE's Innovation Cell, AICTE, Bureau of Police Research and Development (BPR&D), and Indian Cybercrime Coordination Centre (I4C).

AWARDS AND ACHIEVEMENTS

- Winner of CTF (Capture the Flag) competition conducted by College of Engineering Guindy, securing 3rd place (May - 2025)

HOBBIES

- Focused on learning new skills and staying updated with industry changes.
- Engaging in video games during leisure time for relaxation and mental stimulation.
- Volunteering my time to provide informal education and tutoring to peers and community members.
- Performed general maintenance and repair.

CERTIFICATIONS

- Introduction to Industry 4.0 and Industrial Internet of Things (NPTEL Course)
- CompTIA A+ 1101 Core 1 Exam (In progress)