

NIRANCHAN D

S T U D E N T



CONTACT

- +91 9442646895
- niran1470@gmail.com
- https://c4rb0n.in
- Karaikal, India 609609

TECHNICAL SKILLS

- Programming Languages: Python, C, JavaScript, TypeScript, Java, Bash
- Web Development: HTML, CSS, JavaScript, Bootstrap, React JS
- Cloud: AWS
- Databases: SQL, PostgreSQL, MySQL
- Operating Systems: Linux, Windows, MacOS
- Version Control: Git
- Networking Concepts : TCP/IP (gaining experience)
- Computer Hardware and Troubleshooting (CompTIA A+ core 1)
- Other Skills: Docker, Python automation, IoT.

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

Enthusiastic student eager to jumpstart career through hands-on AWS internship experience. Leveraging studies in networking, security, and automation to rapidly expand skills in designing and deploying AWS architectures. Passionate about gaining on-the-job experience with essential AWS services like EC2, VPC, S3, and Lambda. Skilled at quickly acquiring new technical knowledge. Excited to join a dynamic AWS team focused on security, reliability and scalability. Eager to contribute to impactful cloud projects and gain practical experience for a career in cloud computing.

PROJECTS AND COMPETITIONS

SERVERLESS WEB APPLICATION ON AWS (ONGOING)

- Contributing to the development of a serverless web application on AWS to enable online donations for a temple across multiple regions
- Implementing key AWS services including Lambda, RDS, IAM, S3, CloudFormation, Cognito, Codecommit, and Route 53 to build a scalable and secure application architecture
- Coding in Node.js using Serverless Framework to develop cloud-native, event-driven functions
- Managing user authentication with Cognito and storing data in MySQL and S3
- Working collaboratively over the past 4-5 months on the incremental development of this project while balancing college commitments
- Eager to complete and deploy this application to AWS, applying skills learned and hoping to gain hands-on experience with AWS serverless technologies, databases, security and more in future including DevOps.

ANTI-KIDNAP ALERT SYSTEM (DESIGN THINKING PROJECT)

- Conceived and led the development of an RFID-based system to monitor and alert parents when a child boards or exits a school van, enhancing safety.
- Collaborated with a team to design and implement Raspberry Pi, RFID scanners and GPS for real-time tracking.
- Contributed to a MariaDB backend to store student data and manage RFID tags. Utilized Python for communication between the RFID scanner and database.
- Contributed building a web app for administrators to integrate student details in Python-Flask.
- Played a key role in sending SMS notifications to parents upon a child boarding or exiting the van.

CYBERSECURITY SOLUTION DEVELOPMENT - INTERNAL HACKATHON AND KAVACH 2023 HACKATHON

- Led team ShadowShell to secure 3rd place at Kongu Engineering College's internal hackathon and participated in KAVACH 2023 developing an innovative cybersecurity solution using Python, Docker and AI (image recognition).
- Selected as one of the top 10 teams to represent the college at the national-level KAVACH 2023 Hackathon organized by MoE's Innovation Cell, AICTE, BPR&D and I4C
- Demonstrated leadership, technical skills and innovation in competing at both the institutional and national hackathon levels

AWARDS AND ACHIEVEMENTS

- Winner of CTF (Capture the Flag) competition conducted by College of Engineering Guindy, securing 3rd place (May - 2022)

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, Completed (Jul - Oct 2022)
- Ethical Hacking, Completed (Jan - April 2023)
- AWS CLF C02, In-Progress (Expected: Nov - 2023)