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<https://niranjana-joker.github.io/Portfolio/>

# Niranjana Surya Prasad R P

**Technical Skills:** Python, SQL, Wireshark, VAPT, Burpsuite, Nmap, MSF, GRC, SIEM, IAM, AWS CLI, Network Security.

## Certification:

- Certified Ethical Hacker MASTER v12 from **EC-Council (Nov 2023)**
- AWS Certified Cloud Practitioner from **AWS (Dec 2022)**.
- Network Defense Essentials from **EC-COUNCIL (April 2023)**.
- Junior Cybersecurity Analyst Career Path from **CISCO (May 2023)**.
- Blockchain from **Coursera (May 2023)**.

EDUCATION			
Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE) Cyber	Jun 2020 – Ongoing	VIT Bhopal	8.59/10
Class XII	May 2020	Velammal Vidhyashram, Surapet (CBSE)	90.8%
Class X	May 2018	Smt. Durgadevi Choudhary Vivekananda Vidyalaya (CBSE)	84.8%
ACADEMIC PROJECTS			
Cybersecurity	<ul style="list-style-type: none"><li>▪ <b>Intelligent Intrusion Detection based on Deep Learning Approach</b> (July 2022 – Dec 2022)<ul style="list-style-type: none"><li>- Description: This Project combines Correlation-based Feature Selection (CFS) and Convolution Neural Network (CNN) classification to give an efficient intrusion detection approach with high accuracy.</li><li>- Features:<ul style="list-style-type: none"><li>➤ Feature Extraction using the <b>Correlation-based principle</b>.</li><li>➤ Network traffic classification using <b>CNN</b></li></ul></li><li>- Skills: Python, TensorFlow, Pandas, Sklearn, Deep Learning, IAM, SIEM.</li><li>- Link: <a href="https://github.com/NiranjanJoker/Intelligent-Intrusion-detection-based-on-Deep-Learning-Approach">https://github.com/NiranjanJoker/Intelligent-Intrusion-detection-based-on-Deep-Learning-Approach</a></li></ul></li></ul>		
IoT Embedded Systems & Cloud Computing	<ul style="list-style-type: none"><li>▪ <b>Location-based Dynamic toll-tax system</b> (Dec 22 – Ongoing)<ul style="list-style-type: none"><li>- Description: Dynamic Toll tax collection system using a GPS module in Raspberry Pi with a pay-as-you-go principle. This allows the passengers to pay toll tax only for the road they have used.</li><li>- Features:<ul style="list-style-type: none"><li>➤ <b>AWS Cloud integration</b> for toll estimation using serverless <b>Lambda function</b></li><li>➤ User Database Management (Cloud) on <b>AWS S3 storage</b>.</li><li>➤ Automated fee detection (Recurring Payment)</li></ul></li><li>- Skills: Raspberry Pi, Python, AWS, Sensors, IoT, MQTT, DLP on Cloud Infrastructure, logging.</li><li>- Link and Results: <a href="https://github.com/NiranjanJoker/Location-based-Dynamic-toll-tax-system-">https://github.com/NiranjanJoker/Location-based-Dynamic-toll-tax-system-</a></li></ul></li></ul>		
Cybersecurity	<ul style="list-style-type: none"><li>▪ <b>Phishing Website Detector Application using Android Studio</b> (Jun 21– Dec 21)<ul style="list-style-type: none"><li>- Description: This Application classifies the URL links based on <b>Address bar-based features</b> to detect Phishing websites. Users enter the URLs in the app to check whether it is a phishing link.</li><li>- Features:<ul style="list-style-type: none"><li>➤ It's completely offline and user-friendly.</li></ul></li><li>- Skills: JavaScript, XML, Addressbar features, UI/UX design, Python, Java, Android Studio.</li><li>- Result: <a href="https://github.com/NiranjanJoker/Phishing-link-Detection-App-based-on-Address-based-features">https://github.com/NiranjanJoker/Phishing-link-Detection-App-based-on-Address-based-features</a></li></ul></li></ul>		
EXTRA-CURRICULAR AND ACHIEVEMENTS			
Achievements	<ul style="list-style-type: none"><li>▪ 5 stars in SQL &amp; Problem Solving – HackerRank</li><li>▪ Talent Award 2018 &amp; 2020 from Bimetal Bearings LTD.</li></ul>		
Responsibilities	<ul style="list-style-type: none"><li>▪ Student Coordinator in Experimental Learning Industrial Visit (Chennai).</li><li>▪ Technical team, CyVIT (Jun 21-Dec 21).</li></ul>		
Extracurricular	<ul style="list-style-type: none"><li>▪ Nature and trekking club.</li><li>▪ Participant, Hackathon (Infosys) (Dec 20)</li></ul>		
ADDITIONAL INFORMATION			
Hobbies	<ul style="list-style-type: none"><li>▪ Swimming, Badminton, Skating.</li></ul>		
Languages	<ul style="list-style-type: none"><li>▪ English, Tamil.</li></ul>		