Nishyanth Nandagopal

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EDUCATION

Vellore Institute Of Technology   Vellore, TN
Bachelor of Technology, Information Technology—cgpa: 7.81   *September. 2021 – June 2025*

Maharishi International Residential School   Chennai, TN
Class 12—Percentage: 87.4   *March 2019 – July 2021*

ONGC Public School   Karaikal, PY
Class 10—Percentage: 88.2   *March 2018 – March 2019*

TECHNICAL SKILLS

Languages: Python,HTML/CSS
Machine Learning and Data Science:: Scikit-learn, Pandas, Numpy, Matplotlib, Random Forest Classifier
Web Development: React, HTML, CSS, Flask, MongoDB, RESTful APIs:
Information And Cyber Security: CiscoPacketTracer, NMAP, Nessus, Burpsuite

EXPERIENCE

Technical Intern   1st September 2023 – 31st October 2023
GAIL India Ltd   *Bangalore, KA*
- Managed the setup and configuration of AV devices for seamless communication in conference rooms and learned the significance of AV technology in facilitating efficient meetings and presentations.
- Analyzed the functionality and connections of the RM-4 board for access Control operations.

PROJECTS

Fake Website Detection | *Machinie Learning, React JS, Javascript, Flask, Beautiful Soup* | Link   October 2024
- The Fake Website Detection System assesses URL legitimacy using a blend of heuristics and machine learning. It generates lookalike URLs for comparison, checks each for domain age, SSL certification, VirusTotal history, and analyzes web content similarity to detect imitation. A Random Forest Classifier provides a final legitimacy score.

Vocal Query | *API, LLM, PostgreSQL, Python, ReactJS, Flask, Render, Docker, Json* | Link   August 2024
- This application provides an API that transcribes audio into text using Google's Speech-to-Text API and then converts the transcribed text into SQL queries using the Google Gemini AI model. The generated SQL query is cleaned and executed in a PostgreSQL database.

Network Packet Analyzer Tool | *Python, Tkinter, Scapy, Firebase, Threading, Web Sockets* | Link   February 2024
- Developed a network security system that uses eight different threat detection algorithms to intercept and examine network traffic.
- Employed edge computing devices in a client-server architecture. When a threat is detected, the edge devices alert the central server automatically. Firebase's integration with cloud computing allows for the real-time analysis and storage of network packet data.

Automated Documentation Assistant | *React JS, Flask, NLP, Google Cloud, JSON, MongoDB* | Link   April 2024
- Configured the Python Flask backend to interface with the React JS frontend, retrieving documents from Google Cloud and updating their details. Additionally, a chatbot was created using NLTK and JSON-formatted datasets.

PUBLICATIONS

Research Paper: Main author,'Server-assisted security model for edge computing device':A packet tracking approach
Link

CERTIFICATIONS

1.Python for Data Science, AI Development by IBM: Python programming for Data Science and Software Development, focusing on key concepts and libraries like Pandas, Numpy, and Beautiful Soup for data manipulation and web scraping. Certificate
2. Career Essentials in Generative AI by Microsoft and LinkedIn:understanding of generative AI models, learnt the ethical considerations of using generative AI, explored the impact of generative AI tools. Certificate