**NIRANJAN MADHAVAN D**

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**CAREER OBJECTIVE**

To pursue a challenging and highly rewarding career and be a part of a progressive organization where I can best utilize my skills and strengths to accomplish the goals of the organization.

**EDUCATION**

**Manipal Institute of Technology, MAHE** Manipal, India

* Bachelor of Technology in Computer and Communication Engineering**. CGPA-8.45** Oct 2021\*
* Coursework**:** Data Structures, Algorithms, Big Data, SQL, Cyber Security, IoT, OOPS, TCP/IP, OS.

**Kola Perumal Chetty Vaishnav Senior Secondary School** Chennai, India

* Secured **435/500(87%)** in the 12th Standard AISSCE Board Exam May 2016

**Sitadevi Garodia Hindu Vidyalaya Senior Secondary School**  Chennai, India

* Secured **487/500(97.4%)** in the 10th Standard SSLC Board Exam May 2014

**SKILLS & INTERESTS**

* **Programming Languages:** C, C++, Python, SQL, JAVA, JavaScript, HTML, CSS.
* **Technologies/Tools:** Angular, Grafana, Postman/APIs, Git, Docker/Containers, Kubernetes, DPDK, TensorFlow.
* **Concepts:** Front-end Devp., Machine Learning/Neural Networks, Network Programmability, User-space networking.
* **Soft skills:** Googling**,** Inquisitive, Collaborative, Persistent, Fresh Perspective.

### EXPERIENCE

### Site Reliability Engineer - Cisco India Pvt. Ltd., Bangalore, India (Remote)

### Software Development

### Full-Time Aug-present

### Developed dashboards to visualize KPIs, enabling effective review meetings & progress tracking.

### Learnings: Grafana, Elasticsearch, Data Visualization, Work across time zones.

### Internship Feb-Jun 2021

### Designed the front-end of a centralized vulnerability monitoring system enabling faster resolution, clear SLAs

### Learnings: Angular, MEAN stack, CI/CD, Jenkins, Spinnaker, Bug Fixing, Unit & Integration Testing.

### Collaborated with an agile team through user stories, sprint planning sessions and scrum meetings.

### Research Assistant - Josy Elsa Varghese, Research Scholar, Dept. of ICT, MIT Manipal, India

### Software Defined Networks Jan 2020\*

### Developed a Statistical Intrusion Detection Algorithm to detect anomalous network traffic, esp. DDoS.

### Introduced the algorithm using DPDK enabled Open vSwitch connected to the SDN controller.

### Summer Intern - Mobius Knowledge Services Pvt. Ltd. Chennai, India

### Machine Learning Division May-Jul 2019

### Automated and sped up Lead Generation process by implementing Machine Learning algorithms using Python.

### Learnings: Neural Networks, Image Processing, NER.

### Professional Training

### Coursera, Udemy, Cisco

### Cisco Certified Devnet Associate\*

### [Git Essentials: Learn Git with Bitbucket and Sourcetree](https://udemy-certificate.s3.amazonaws.com/pdf/UC-ed4d9ba2-e423-4d57-8471-dc99740eb1cc.pdf)

### [DeepLearning.AI TensorFlow Developer Specialization](https://www.coursera.org/account/accomplishments/specialization/certificate/WXUJCJCLFA6K)

### [Neural Networks and Deep Learning by deeplearning.ai](https://www.coursera.org/account/accomplishments/certificate/LS9QJRPKANN2)

### [Predict Future Product Prices Using Facebook Prophet](https://www.coursera.org/account/accomplishments/certificate/HJQFCUH4NKA5)

* [Graph Analytics with Big Data by University of California San Diego](https://www.coursera.org/account/accomplishments/verify/SHQGFJ5XLKJG)
* [Machine Learning with Big Data by University of California San Diego](https://www.coursera.org/account/accomplishments/verify/UXB474W2NKPS)

### [Big Data Integration and Processing by University of California San Diego](https://www.coursera.org/account/accomplishments/certificate/UEYP85RGAVS7)

### [Big Data Modeling and Management Systems by University of California San Diego](https://www.coursera.org/account/accomplishments/certificate/77P84D2B9S73)

### [Introduction to Big Data by University of California San Diego](https://coursera.org/share/165960c92e368b646844102ea5e4a452)

### [Beginning Machine Learning with TensorFlow.js by Infinite Red, Inc.](https://drive.google.com/file/d/1ywfRVV1_F5lM7uMY78WoNwH-5NKn8VAe/view?usp=sharing)

### Project Intern – Dr. Jagadeesh Karkala, Asst. Professor, Dept. of CSE, IIITDM Kanchipuram,India

### Internet of Things Dec 2018

### Formulated a cheap and efficient Water Quality Monitoring System using Arduino and sensors.

### LEADERSHIP & ACTIVITIES

### Core Committee Member: Research Head, Cryptonite, Manipal.

### Management Committee Member: Sponsorship and Hospitality @ Leaders of Tomorrow, HR @ ISTE

### Organizing Committee Member: Acumen, TechTatva’18, the National Technical Festival of MIT.