**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-8.5** Aug ‘21
* Coursework**:** Data Structures and Algorithms, Networks, Database, OS, OOPS, Big Data, Cyber Security, IoT.

**SKILLS & INTERESTS**

* **Programming Languages:** Python, C/C++, SQL, Perl, JAVA, JavaScript, HTML, CSS.
* **Technologies/Tools:** Angular, Grafana, Splunk, APIs, Webhooks, Git, UNIX, Docker, Kubernetes, Ansible, DPDK.
* **Concepts:** Network Automation, User-space networking, Front-end devp, Machine Learning, Neural Networks.
* **Soft skills:** Googling**,** Inquisitive, Collaborative, Persistent, Fresh Perspective.

### EXPERIENCE

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

### Infoblox DNS-Integration- Feb ‘22-present

### Migrated from 20-year-old legacy IPAM solution to modern Infoblox and integrated with ServiceNow, improving performance, security, and maintenance.

### Learnings: Python OOP, DNS, Git, Code Reviews, System Design, Splunk, CI/CD, Jenkins, Docker, Perl, UAT.

### Metrics, Visualization and KPIs- Aug ‘21-Jan ‘22

### Designed and developed dashboards to monitor service KPIs, as per business requirements enabling effective review meetings & progress tracking.

### Learnings: Grafana, ELK stack, Data Storytelling, Work across time zones.

### Automation Powerhouse (Intern)- Feb-Jun ‘21

### Developed the front-end of a centralized vulnerability management system enabling faster resolution, clear SLAs.

### Learnings: Angular, MEAN stack, Bug Fixing, Unit & Integration Testing.

### Collaborated with an agile team.

### Research Assistant - MIT Manipal, India

### Software Defined Networks-Security Jan ‘20\*

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

### 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 ‘19

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

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

### Professional Training

### Coursera, Udemy, Cisco

### [Cisco Certified Devnet Associate](https://www.credly.com/badges/348ed410-3ceb-418c-bd02-b17d28ccabef)

### [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)

### [Big Data Specialization](https://www.coursera.org/account/accomplishments/specialization/JD3E4T3ZVYME)

### [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)

### [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 ‘18

### 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.