

NIRANJAN MADHAVAN D

niranjan.madhavan.d@gmail.com • +91 8056060798 • LinkedIn:Niranjan Madhavan D • GitHub:immadhavv

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.

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.

PROFESSIONAL TRAINING

Coursera, Udemy, Cisco

- Cisco Certified Devnet Associate
- Git Essentials: Learn Git with Bitbucket and Sourcetree
- Data Storytelling for Business
- DeepLearning.AI TensorFlow Developer Specialization
- Big Data Specialization

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.