

NIRANJAN MADHAVAN D

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

EXPERIENCE

Site Reliability Engineer - Cisco India Pvt. Ltd.,

Bangalore, India (Remote)

Infoblox DNS-Integration-

Feb '22-present

- Modernized the IP Address Management (IPAM) solution, which had been in use for two decades by migrating it to the modern Infoblox (TPS).
- Integrated the new solution with ESP (ServiceNow) and CyberArk to eliminate any Single Point of Failure (SPOF) and enhance the overall security and maintenance of the system.
- Learnings: Python, UNIX, Perl, DNS, Logging, Code Reviews, Docker, System Design, Splunk, CI/CD, UAT.

Metrics, Visualization and KPIs-

Aug '21-Jan '22

- Designed and developed dashboards that monitored service KPIs, aligning with business requirements to facilitate productive review meetings and progress tracking.
- Created visually compelling dashboards that provided real-time insights and actionable information that enabled data-driven decision-making.
- Learnings: Grafana, Observability, Data Storytelling, Writing runbooks

Automation Powerhouse (Intern)-

Feb '21-Jun '21

- Improved the front-end of a centralized vulnerability management system (IVAN) enabling faster resolution, clear SLAs.
- Learnings: Angular, MEAN stack, Bug Fixing, Unit & Integration Testing.

Research Assistant - MIT

Manipal, India

Software Defined Networks (SDN) -Security

Jan '20- Jul '21

- Implemented 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 '19-Jul '19

- Automated and sped up Lead Generation process by implementing Machine Learning algorithms using Python.
- Learnings: Neural Networks, Image Processing, Natural Language Processing

Project Intern – Dept. of CSE, IITDM

Kanchipuram, India

Internet of Things

Dec '18

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

SKILLS & INTERESTS

- **Programming Languages:** Python, SQL, C/C++, Perl, JAVA, JavaScript.
- **Technologies/Tools:** Docker, Angular, CI/CD, Ansible, Grafana, Splunk, APIs, Postman, Git, Linux, DPDK.
- **Concepts:** Network Automation, Observability, Front-end devp, Machine Learning, Neural Networks.
- **Soft skills:** Googling, Inquisitive, Collaborative, Persistent, Fresh Perspective.

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

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.

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.