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
- Git Essentials: Learn Git with Bitbucket and Sourcetree
- DeepLearning.AI TensorFlow Developer Specialization
- Big Data Specialization
- Neural Networks and Deep Learning by deeplearning.ai
- Predict Future Product Prices Using Facebook Prophet
- Beginning Machine Learning with TensorFlow.js by Infinite Red, Inc.

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.