

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 <ul style="list-style-type: none">Bachelor of Technology in Computer and Communication Engineering. CGPA-8.45Coursework: Data Structures, Algorithms, Big Data, SQL, Cyber Security, IoT, OOPS, TCP/IP, OS.	Manipal, India Aug 2021
Kola Perumal Chetty Vaishnav Senior Secondary School <ul style="list-style-type: none">Secured 435/500(87%) in the 12th Standard AISSCE Board Exam	Chennai, India May 2016
Sitadevi Garodia Hindu Vidyalaya Senior Secondary School <ul style="list-style-type: none">Secured 487/500(97.4%) in the 10th Standard SSLC Board Exam	Chennai, India May 2014

SKILLS & INTERESTS

- Programming Languages:** C, C++, Python, SQL, JAVA, JavaScript, HTML, CSS.
- Technologies/Tools:** Angular, Grafana, Postman/APIs, Git, Unix, 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., <i>Software Development</i> <i>Full-Time</i>	Bangalore, India (Remote) Aug-present
<ul style="list-style-type: none">Developed dashboards to visualize KPIs, enabling effective review meetings & progress tracking.Learnings: Grafana, Elasticsearch, Data Visualization, Work across time zones.	
Internship	Feb-Jun 2021
<ul style="list-style-type: none">Designed the front-end of a centralized vulnerability management 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 - Department of ICT, MIT <i>Software Defined Networks-Security</i>	Manipal, India Jan 2020*
<ul style="list-style-type: none">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. <i>Machine Learning Division</i>	Chennai, India May-Jul 2019
<ul style="list-style-type: none">Automated and sped up Lead Generation process by implementing Machine Learning algorithms using Python.Learnings: Neural Networks, Image Processing, NER.	
Professional Training <i>Coursera, Udemy, Cisco</i>	
<ul style="list-style-type: none">Cisco Certified Devnet Associate*Git Essentials: Learn Git with Bitbucket and SourcetreeDeepLearning.AI TensorFlow Developer SpecializationNeural Networks and Deep Learning by deeplearning.aiPredict Future Product Prices Using Facebook ProphetGraph Analytics with Big Data by University of California San DiegoMachine Learning with Big Data by University of California San DiegoBig Data Integration and Processing by University of California San DiegoBig Data Modeling and Management Systems by University of California San DiegoIntroduction to Big Data by University of California San DiegoBeginning Machine Learning with TensorFlow.js by Infinite Red, Inc.	
Project Intern – Dr. Jagadeesh Karkala, Asst. Professor, Dept. of CSE, IITDM <i>Internet of Things</i>	Kanchipuram, India Dec 2018
<ul style="list-style-type: none">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.