

# AKASH KUNNATH MANI

Thrissur, KL, India · akashmani74@yahoo.com · (+91) 9995151422 · linkedin.com/in/akamani

## EXPERIENCE

### Cisco Systems (India) Pvt. Ltd

Software Engineer Intern

Bangalore, KA, India

May 2020 - May 2020

- Created a Python-based tool that generates packets of 30+ control-plane protocols using the open-source Scapy packet manipulation framework and library.
- Successfully tested the tool by targeting the control-plane policy maps of the Cisco Nexus 9000 series of switches to determine its efficacy of the control plane policing (CoPP) features provided by its Cisco NX-OS operating system.

### Bharat Heavy Electricals Limited

Network Consultant

Tiruchirappalli, TN, India

September 2019 - March 2020

- Worked as a student consultant under Prof. M. Sridevi, NIT Trichy, on a project titled "Analysing the Real-Time Communication of Controller Area Network (CAN) in Heavy-Duty Commercial Vehicles with the use of SAE J1939 Protocol Specification".
- Was part of a team that presented and simulated the working of CAN J1939 networks that was implemented in the manufacture of an electric bus, using the open-source Busmaster software.

## EDUCATION

### National Institute of Technology, Trichy

B.Tech - Computer Science GPA: 8.81

Tiruchirappalli, TN, India

July 2018 - June 2021

### Our Own High School, Al Warqa'a

CBSE - Science with Computer Science Percentage: 98.0%

Dubai, U.A.E.

April 2015 - April 2017

## POSITIONS OF RESPONSIBILITY

### Head of Content, Pragyan, NIT Trichy

April 2020 - Present

Responsible for leading the literary outlet of Pragyan, the ISO-certified, international techno-management festival of NIT Trichy. Was part of the steering committee of the fest, as a Core member of Pragyan '21.

### Manager, Content Team, Festember, NIT Trichy

March 2018 - September 2019

Responsible for managing the literary outlet of Festember, the national level annual cultural festival of NIT Trichy. Wrote social media posts and reports, interviewed special guests and acted as the Master of Ceremonies during the festival.

## SKILLS

Programming Languages:	C, C++, Python, Java, HTML, CSS, JavaScript, MySQL
Software:	Network Simulator, Android Studio, Linux, Microsoft Office
Certifications:	AI From the Data Center to the Edge – Intel Introduction to Cyber Attacks - NYU Tandon Java Level 1 & 2 - Cambridge Certification Authority

## HONORS & AWARDS

### K.S. Varkey Memorial Gold Medal

GEMS Education

Awarded the medal for topping the Science stream in high school, and for securing the third highest percentage in the Middle East region.

### Special Merit Certificate

CBSE

For being among the top 0.1 percent of successful students of the CBSE Class XII Examination 2017.

### Highest SAT Subject Test Scores

College Board

Secured perfect SAT II scores in Physics, Chemistry and Mathematics.

### International Award for Young People

Duke of Edinburgh

Completed the Bronze Standard of the Duke of Edinburgh's International Award.

### Trinity Guildhall Keyboard Certification

Trinity College, London

Completed the Trinity Guildhall Initial and Level 1 Certification in Electronic Keyboard.