

Abhilash Venkatesh

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EDUCATION

Bachelor of Technology, Computer Science & Engineering
CGPA : 9.51/10, First Class with Distinction

Amrita School of Engineering, Amrita Vishwa Vidyapeetham
📅 Jun 2016 – Jun 2020 📍 Coimbatore, India
★ Higher Sec. Education: 95.8% - Topper of the District
★ Secondary Education: CGPA 10/10 - Topper of the School
★ Cisco Networking Academy - Certifications in Computer Systems Networking
★ AWS Academy - Certifications in Cloud Computing

EXPERIENCE

Cisco Systems Inc.

Network Security Consulting Engineer
Lead, Security Research & Innovation Framework
📅 Aug 2020 – Present (1 yr, 2 mos) 📍 Bangalore, India
• Secured large-scale campus and data-center networks with advanced network security technologies

Cisco Systems Inc.

Technical Undergraduate Intern
📅 Jan – Jul 2020 (6 mos) 📍 Bangalore, India
• Developed firewall migration validation software & studied IPS/firewall essentials

Kalycito Infotech Pvt. Ltd.

Information Technology Intern
📅 Apr – May 2019 (2 mos) 📍 Coimbatore, India
• Evaluated enterprise grade frameworks for cloud based device & application management

Amrita School of Engineering

Undergraduate Student Researcher at Cognizant Innovation Laboratory
📅 Jul 2018 – Dec 2018 (6 mos) 📍 Coimbatore, India
• Researched on applications of computer vision in conjunction with wearable smart hardware

Amrita School of Engineering

Undergraduate Student Researcher at Amrita Multidimensional Data Analytics Laboratory
📅 Jun 2017 – Jun 2018 (1 yr) 📍 Coimbatore, India
• Researched on applications of indoor-localization using bluetooth beacons

CERTIFICATIONS

- Cisco Certified Network Associate (Jun 2020)
- Cisco Certified DevNet Associate (Jun 2020)
- AWS Certified Cloud Practitioner (Oct 2018)
- Cisco Certified in Cybersecurity Essentials (Jun 2018)

TECHNICAL SKILLS

Areas of Interest: Computer Networking, Network & Information Security, Software Development

Technologies: IPS/IDS, Firewall, Email/Web/DNS Security, Network Access Control, Endpoint Protection, Routing, Switching, Application Development/Deployment, Cloud Computing

Languages, Frameworks and Tools: Python, C++, Java, JavaScript, SQL, MongoDB, Django, Flask, Git, Kubernetes, Splunk

CONFERENCES ATTENDED

International Conference on Software Defined Networking
📅 Aug 2019 📍 Anna University, Chennai, India

EXTRACURRICULAR

Independent music artist with original music published on all music streaming platforms – 🎵 https://bit.ly/abhilash_music

PUBLICATIONS

(i) *Conference Proceedings*

- **V. Abhilash**, K.S. Niranjana Kumar, Phanindra Meduri, Nikhil Chandra Sai Ram, N. Radhika., Dynamic Bandwidth Allocation in an SDN Environment Using QoS Queues and Open Flow. In International Conference on Recent Trends in Engineering and Scientific Technology, Mar 2020
- **V. Abhilash**, S. Aswin., Smart Eye - Wearable smart hardware for the visually impaired. In Proceedings of the 8th Project Innovation Contest (A sister concern activity of 15th International Conference on Distributed Computing and Intelligent Technology), Jan 2019

PATENTS

- **V. Abhilash**., Method to securely control (SSH) equipment (within highly restricted networks) for gathering extensive troubleshooting data at scale using two existing secure protocols, namely, HTTPS and SSH – Accepted by Cisco India Patent Advisory Board, Computing Systems Patentathon, Jun 2021

PROJECTS

- **Automated Attendance Tracking System**., Developed using *Estimote* location and proximity sensors (Jun 2017 – Jun 2018)
- **Smart Indoor Lighting System**., IoT system to efficiently control indoor lighting and fan speed based on ambient human activity and room temperature using *Arduino UNO*, *Node MCU* and *DHT11* sensors. (Jun 2019 – Dec 2019)
- **The Cisco ISE Upgrade Assistance Tool**., Software to automate upgrade of the Cisco Identity Services Engine. Deployed in 100+ networks worldwide and saved 1000+ hours of manual effort. Funded by Cisco CX Centers Innovation Office. (Sep 2020 – Present)

AWARDS & HONOURS

- **National Level Finalist** – Bits & Bytes Hackathon 2018 for designing a wearable smart headgear with computer vision capabilities.
- **Winner – Cisco HackFest 2020 Global Hackathon** for designing and developing a robust internship management solution called “The CX Intern App”.
- **Star Performer of the 2020 Internship** – Cisco CX, among a cohort of over 200 interns.
- **Best of We - Community Hero** – awarded by the Executive Vice President & COO of Cisco for outstanding contributions in alignment with Cisco’s core vision and values during the COVID-19 pandemic.

LEADERSHIP

(i) *During UG*

- **President** – Raagasudha Music Club at Amrita Vishwa Vidyapeetham (2019-20).
- **Vice-President** – Raagasudha Music Club at Amrita Vishwa Vidyapeetham (2018-19).
- **Event Organizer** – Anokha Annual Tech Fest at Amrita Vishwa Vidyapeetham (2017-20).

(i) *During School*

- School Captain (2015-16), School Vice-Captain (2013-15), School Band Leader