

# Akash Ravi

☎ +1 (765) 701-9007 🏠 West Lafayette, IN ✉ [akashkravi@gmail.com](mailto:akashkravi@gmail.com) 🌐 [akashravi.github.io](https://akashravi.github.io)

## EDUCATION

<b>Purdue University, West Lafayette</b> MS in Computer and Information Technology, Specialization in Emerging Technologies	<b>2021 – 2023</b>
<b>Amrita School of Engineering, Coimbatore</b> B.Tech (Hons.) in Computer Science and Engineering	<b>2016 – 2020</b> CGPA: 9.41/10

## EXPERIENCE

<b>Purdue ITaP Research Computing</b> Student Cybersecurity Analyst (Part-time) <ul style="list-style-type: none"><li>Implementing risk management frameworks and IDS/IPS solutions</li></ul>	<b>Aug 2021 – Present</b> West Lafayette, IN
<b>Cisco Systems</b> Software Engineer   Lifecycle Digital Transformation <ul style="list-style-type: none"><li>Built cloud-native applications &amp; recognized for efforts in key platform integrations</li></ul>	<b>Jan 2020 – Aug 2021</b> Bengaluru, India
<b>CERN-HSF</b> Google Summer of Code Developer <ul style="list-style-type: none"><li>Augmented research collaboration by publishing a package manager for the SWAN project</li></ul>	<b>May – Aug 2019</b>
<b>Ernst &amp; Young</b> Cyber Security Intern   IT Risk Advisory <ul style="list-style-type: none"><li>Executed VAPT audits for web apps &amp; developed Open-Source Intelligence (OSINT) toolchains</li></ul>	<b>May – July 2019</b> Bengaluru, India
<b>PSG Software Technologies</b> Software Engineering Intern <ul style="list-style-type: none"><li>Devised a cross-platform app to streamline the admission process for 6000+ students</li></ul>	<b>April – June 2018</b> Coimbatore, India

## TECHNICAL SKILLS

**Areas of Interest:** Full-stack Development, Cyber Security, Data Analytics

**Languages and Frameworks:** Python, C++, Java, SQL, R, Node.js, Spring, Angular, React

**Tools and Technologies:** MongoDB, Kubernetes, Jenkins, Kafka, Salesforce, Splunk, Tableau

### Certifications:

• Cisco Certified Interviewer Award by SocialTalent	July 2021
• Microsoft Certified Security Operations Analyst Associate	June 2021
• Data Science @Cisco - Green Belt	April 2021
• Cisco Security Ninja - Advanced Blue Belt	Nov 2020
• Oracle Cloud Infrastructure Certified Architect Associate	April 2020

## PROJECTS & RESEARCH

- Strategized the development of an Online Judging platform for pedagogical research - Deployed and actively used by 5000+ users. (March 2019 – July 2020)
- Aquatic Drone for Profiling Water Quality – Designed dashboards and control systems for interfacing with sensors and actuators (Aug – Dec 2018)

## Publications

- A Blockchain-Based Architecture for Secure Distribution of Software Packages, International Journal of Critical Infrastructure Protection (in press)
- Student Perceptions on Using Online Judges in Problem Solving and Programming Courses (in press)
- Enhancing Biomedical Sensing in Ambulances using Neural Networks and IoT, 4th International Conference on Computing Methodologies and Communication - March 2020
- A Malware Variant Resistant to Traditional Analysis, International Conference on Emerging Trends in Information Technology and Engineering - Feb 2020
- Enhancing Digital Well-being using Opinion Mining and Sentiment Classifiers, 5th International Conference on Inventive Computation Technologies - Feb 2020

## **AWARDS / EXTRACURRICULAR**

---

- Teaching Assistant for a Python Course on Internshala Trainings – Answered technical queries and evaluated assignments. (Dec 2019 – Mar 2020)
- Represented Amrita University in the International Collegiate Programming Contest (ICPC) India Regionals in 2018 and 2019
- Among the top 10 teams nationally in the Smart India Hackathon 2018
- Conducted sessions on problem-solving and programming for school students as a part of the coding community of Amrita University. (Nov 2018)
- Recognized as a Distinguished Product Development Fellow for exemplary contributions to Hasura Inc.
- Head of Web and Multimedia Team for Anokha 2019, Amrita's annual Techfest
- 2nd place among 100+ participants in 'War of Wits', a general quiz conducted by the Coimbatore Quizzing Circle. (Sept 2018)
- Organized a Jeopardy-style Capture the Flag contest in Anokha 2018

## **Organizations and Societies**

Cisco ThingQbator, Team bi0s, Association for Computing Machinery (ACM), Computer Society of India (CSI), Code@Amrita