

# Vasudha Padala

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## EDUCATION

University of Southern California | Los Angeles, CA

Expected 2025

Master of Science in Computer Science

Jawaharlal Nehru Technological University | India

Jun 2020

Bachelor of Technology in Information Technology

**Project:** Secure E-Payment Transaction using visual cryptography and AES

**GPA:** 3.63

## SKILLS

### SOFT SKILLS

- Effective communicator
- Teamwork
- Relationship building
- Out of the box thinking
- Active listener

### TECHNICAL SKILLS

**Computer Programming:** C, Java, Python, GO, HTML, Bootstrap, React, Node

**Computer Networking:** TLS, PKI, HTTP, HTTPS, TCP, UDP, DNS, Cryptography

**Virtualization:** Docker, Kubernetes, and Virtual Machines

**Cloud:** AWS, GCP, Azure

**Software & Tools:** Windows, MAC, Linux, Office 365, Excel, Git Hub

## ACADEMIC PROJECTS

### Secure E-Payment Transaction Application

Apr 2020

- This model helps in **enhancing the security** in today's online transactions by making it difficult for the attacker to decrypt the image and combine the image

### Home Security Management Application

Aug 2019

- Developed a **home security management system** which senses smoke, gas, detects objects motion and triggers the alarm using **Internet of Things (IoT), Arduino Uno, Arduino programming**

### Student Attendance Management Application

- Developed **attendance management system** using **JAVA** programming language which takes student's attendance as input through **Microsoft - Excel** and calculates the overall attendance percentage and provides the corresponding condonations as output

## CO-CIRICULARS

### Student body President and Technical Support

Aug 2016 - Jun 2020

- Documented **troubleshooting steps and solutions**, contributing to **knowledge base** and **improving team efficiency**
- Collaborated with cross-functional teams to **troubleshoot complex network configurations** and **performance issues**
- **Mentored** undergraduate students in IT and cybersecurity in the United States, providing guidance on coursework and career planning
- Served as a **panelist in student-led forums** discussing **emerging technologies and innovative solutions**.
- Developed accessible **infographics and educational materials for children with disabilities**, using digital art software.
- Collaborated with special education programs to create **visual resources that aid in learning and comprehension**.
- **Designed and maintained** university **event calendars, newsletters, and compelling digital posters** to raise awareness about campus events and initiatives for student organizations
- Created informative posters on **environmental sustainability**, increasing student engagement and participation
- Facilitated discussions on **AI and cybersecurity integration** in everyday applications, fostering critical thinking
- **Developed and maintained responsive web pages** using HTML5 and CSS for student organizations' and collaborated with faculty on interactive educational content and resources for university websites, and designed forms
- **Developed dynamic Google Sheets dashboards** to track and visualize student participation in campus events, and managed financial tracking spreadsheets for student clubs to ensure accurate budget monitoring and reporting
- Aided in **digitizing library resources** to ensure accessibility and preservation of academic materials, and assisted in implementing a digital library system to enhance access to electronic resources and journals
- Consistently achieved **top rankings and recognition in coding competitions and hackathons**, **mentored** undergraduate students in **programming labs**, offering guidance and support for their coding assignments
- Expert in **configuring, troubleshooting and optimizing** Windows OS, Mac devices, software applications and provided **technical support in the setup and configuration** for new students during Technical Events

## PROFESSIONAL EXPERIENCE

Cisco Systems India private. Ltd | Bangalore, India

Security Consulting Engineer

Aug 2020 –2024

- Experience in **designing, implementing, delivering, leading green and brown field** projects
- Implemented Cisco ISE Posturing for nearly **1200 network switches** across the globe and designed **two dedicated ISE clusters of 8 nodes each** for GEO location and India location
- Led a green field project implementation of **Cisco Duo Security** in customer environment
- Delivered Cisco security product expertise workshops to end clients. Expertise in writing **technical documents** regarding the **implementation, design, and configuration of security products** in production environments