

EDUCATION

Masters in Cybersecurity (GPA: 4/4) Fall'23 – Present
University: University of North Carolina at Charlotte (UNCC)

Bachelore of Technology in Computer Science & Engineering (CGPA: 7.25/10) 2016 – 2020
College: Madanapalle Institute of Technology & Science (MITS), Madanapalle

WORK EXPERIENCE

Technical Specialist | OneIT Jan 2024 – Present
University of North Carolina, Charlotte

- Orchestrated the implementation of a customized VDI solution, enabling seamless access to UNCC Anywhere systems for faculty and students via RDP. Played a pivotal role in meticulously maintaining inventory and documentation, resulting in an exceptional system availability rate of 99%.
- Oversaw SCCM Autobuild implementation, optimizing software updates and device management for a 20% efficiency gain. Enhanced IAM solutions using Active Directory and Azure Active Directory, resulting in a 25% reduction in identity-related issues and security breaches.
- Managed support tickets, ensuring timely resource allocation and access for faculty and users.

Engineer | Camunda Developer May 2021 – June 2023
L&T Technology Services Limited (LTTS)

- Designed BPMN Process based on client requirements.
- Development & configuration of Workflows in client's cloud-native BPMN application.
- Enhanced task management through the configuration of Views/Forms within the client's platform.
- Ensured robust functionality by conducting end-to-end workflow execution and testing.
- Managed multiple projects concurrently for nearly a year, earning client appreciation and recognition.

Technologies/Tools: Client BPMN Application, JIRA, Confluence

Genesis Intern Feb 2021 – Apr 2021
L&T Technology Services Limited (LTTS)

- Acquired foundational programming skills in C/C++, Python, Core Java, JavaScript, Linux, Applied SDLC, and Software Testing, followed by specialized training in 4G/5G Competency Development & Automation Testing using Python, Selenium, and Robot Framework. Completed a Shadow Project focused on Automation Testing.

Django Developer Intern Dec 2019 – Mar 2020
Invensis Technologies Pvt. Ltd.

- Developed a Django based WebApp with REST API, HTML5, and CSS3 for employee data management, incorporating features like Signup, Login, Upload, Store, and Retrieve from the Database.

Technologies/Tools: Django, REST API, HTML5, CSS3, Postman, Visual Studio Code.

Project Link: github.com/abhishekreddykavali/ProjectSearchEngine

Game Developer Intern / Indian Game Development Challenge-2018 Apr 2018 – Jul 2018
KAMK University, Finland + APSSDC, Andhra Pradesh Govt.

- Played a key role as a Programmer in a 10 member team, contributing to the development of the game "TOROS" during an internship and was honored with 12 ECTS points.

Technologies/Tools: Unity-3D Engine, C#, Visual Studio Code, GitLab, Photoshop & PicsArt.

Project Link: github.com/abhishekreddykavali/TOROS-Game

ACADEMIC PROJECTS

CyberGuardian: Streamlining Network Security for Small Businesses through Automated CVE Identification and Anomaly Detection

- Developed automated system for CVE identification, network security, and anomaly detection for businesses lacking IT staff.
- Utilizes Splunk and SIEM for log collection, providing centralized security overview. Includes Python script to send automated emails post-anomaly and CVE analysis.
- Deliverables encompass scripts for software inventory, CVE analysis, and automated email alerts, offering a comprehensive and cost-effective solution.

Technologies/Tools: Splunk, Python, Powershell, Visual Studio Code, ZeroTier

Adda Travels(Website)

- As part of my participation in Naipunya-2018 an initiation of APSSDC & Confederation of Indian Industry for World Skills, I've developed this Tourism Travel's Website where we can find Tourism Packages.

Technologies/Tools: HTML5, CSS3

CERTIFICATIONS

Red Hat System Administration-1 - Plexus Networks

Python Skills Certification Test - Hacker Rank

Technical Support Fundamentals - Google | Coursera

Introduction to Cybersecurity Tools & Cyber Attacks - IBM | Coursera

Cybersecurity Roles, Processes & Operating System Security - IBM | Coursera

Google Android Developer Phase-1 - Google + Andhra Pradesh State Skill Development Corporation (APSSDC)

SKILLS

Languages:	Python, C/C++, SQL
Web Technologies:	HTML5, CSS3
Tools/Technologies/Skills:	Burp Suite, Wireshark, Splunk, Postman, AccessData FTK Imager, Autopsy, Arsenal Image Mounter, Git, Computer Networking, BPM, Camunda
Packages:	Microsoft Office, Visual Studio Code
Operating Systems:	Windows, Linux(Multiple flavours), Mac
Administration:	System Administration
Frameworks:	TCP/IP, OWASP, Django, REST, Robot Framework
Communication	Telugu(Native), English(Fluent), Tamil(Basic), Hindi(Basic)

TECHNICAL EXPOSURE

Workshops

- Attended a 20 days "Python Programming" workshop by APSSDC in Corona holidays-Virtual Classes
- Attended a 20 days "Web Development using Django" workshop by APSSDC in Corona holidays-Virtual Classes
- Attended a 6 days "Basics of Linux and Shell Scripting" workshop by APSSDC in Corona holidays-Virtual Classes
- Attended a 2 days "Ethical Hacking" workshop in Ashv@17 at MITS, Feb-2017 in BITS Pillani University, Hyderabad
- Attended a 2 days "Python" workshop in Amritha University, Bangalore

ROLES & RESPONSIBILITIES

- Have been served as a Class Representative for 4 years of Bachelor's.
- Have been the CEO & CTO of Entrepreneur Development Cell at MITS.
- Have been the Technical Coordinator for MITS Social Responsibility Club(MSR Club) at MITS.
- Have served as a Campus Coordinator for Ashv-2K19, a Techno Cultural Fest & served as a volunteer for many other events at MITS.