

# Karthikeya Panangipalli

Visakhapatnam

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## Education

### Anil Neerukonda Institute of Technology & Sciences (ANITS)

BTech in Computer Science and Engineering

- In Progress (8.91 CGPA).

Visakhapatnam, India

January 2021 - Present

### Sri Chaitanya Junior College

Intermediate in Physics, Chemistry & Mathematics, BIE, AP

- Passed with Distinction (9.36 CGPA).

Visakhapatnam, India

March 2018 - March 2020

### Sri Chaitanya School

Class 10: AP SSC Board

- Passed with Distinction (10 GPA).

Visakhapatnam, India

March 2018

## Work Experience

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Cloud Security Intern

- Developed challenges that tests user's awareness of OWASP Top 10.
- Successfully tested numerous labs demonstrating various concepts of Amazon AWS, Microsoft Azure, Docker, Kubernetes and reduced errors by 40%.
- Successfully implemented over 20 programs in REST API style, effectively integrating user interfaces for enhanced user experiences.
- Technical Skills:** Python 3, Flask, Amazon AWS, Microsoft Azure, Docker, Kubernetes, Linux Tools, Scripting, Git.

Remote Work

November 2022 - February 2023

## Projects

### Online Pharmacy Web Application

ANITS

- Developed and implemented an efficient online pharmacy management system enhancing inventory management, order processing, and customer engagement.
- Designed and integrated a user-friendly web interface, enabling customers to place orders in a catalogue of 500+ products, track deliveries, and access prescription history.
- The application resulted in a 40% increase in customer retention and satisfaction compared to offline stores.
- Technical Skills:** HTML 5, CSS, JS, PHP, JSON, MySQL 8.0.21.

Visakhapatnam, India

March - June 2023

### Telegram Chat Bot Development

Personal Project

- Created and deployed a 24 \* 7 online Telegram Bot using GitHub and Replit.
- The bot facilitates seamless ordering of a diverse range of products from an extensive (1000+) catalogue, ensuring a smooth and user-friendly shopping experience.
- Technical Skills:** Python 3, Flask, PIP, Telegram API.

Visakhapatnam, India

April 2023

### Analysis of Video Streaming Platforms

ANITS

- Analysed data from 4 OTT platform data sets and discovered patterns in the data that show trends between countries, viewers, genres, etc.
- Specific case studies traced back to trends seen in India in 2018 and how Internet Service Provider (ISP) Jio increased viewership rates of OTT platforms by 300%.
- Technical Skills:** Python3, NumPy, Pandas, Matplotlib.

Visakhapatnam, India

November 2022 - December 2022

### Web Application Vulnerability Assessment

Personal Project

- Scanned and assessed ANITS college website.
- Found patterns in the source code that proved it vulnerable to SQL Injections & XSS Attacks.
- Technical Skills:** JS, MySQL 8.0.21, Wireshark.

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June 2022

## Skills

**Programming** Python (Flask, Pandas, NumPy. etc.), PHP, C/C++, HTML/CSS, JavaScript, SQL.

**Core Skills** Linux, Networking, Cloud Computing (Azure, AWS), Shell (Bash/Zsh), Git.

**Soft Skills** Communication, Teamwork, Analytical and Problem-solving, Documentation, Leadership.