

# SUNNAPURALLA HASIKA

Andhra Pradesh, India 515005 • +91-7569271465 • [hasikavyassunnapuralla@gmail.com](mailto:hasikavyassunnapuralla@gmail.com) • [linkedin.com/in/-hasikavyassunnapuralla](https://www.linkedin.com/in/-hasikavyassunnapuralla)

## SUMMARY

Dedicated and forward-thinking Computer Science student at GITAM University, Karnataka, with a strong foundation in Python, Java, and C programming. Passionate about developing innovative, real-world solutions through problem-solving and technical expertise. Adept at participating in hackathons, research initiatives, and technical projects involving cutting-edge technologies like Artificial Intelligence, web development, and software development. Seeking opportunities to apply and expand my skills in a dynamic, fast-paced environment to drive impactful projects and deliver meaningful results.

## EDUCATION

**Gitam University - CGPA: 7.2**

**2022-2026**

**Bachelor of Technology in Computer Science Engineering**

**Bengaluru, India**

**Relevant Coursework:** Data Structures, Operating systems, Computer Networks, Database Management Systems, Design and Analysis of Algorithms, Artificial Intelligence.

**Intermediate - Percentage: 69%**

**2020-2022**

**Narayana Junior College, Anantapur, Andhra Pradesh**

**Grade 10 – Marks:600/600**

**2020**

**Sree Vidyanikethan High School, Anantapur, Andhra Pradesh**

## SKILLS

**PROGRAMMING**

C, Python (NumPy, Pandas, Matplotlib), Java, SQL

**SOFTWARE TOOLS**

Git, GitHub, Google Colab, VS Code, Anaconda-Navigator, Microsoft office suite

**WEB TECHNOLOGIES**

html5, CSS3, JavaScript

## WORK EXPERIENCE

**Internal Smart India Hackathon, Gitam University**

**Aug 2024**

- **Team member** – Developed a comprehensive DDoS detection and prevention system with an accompanying dashboard.
- Contributed to the development of a robust solution to identify and mitigate Distributed Denial of Service attacks, leveraging Typescript for implementation.
- Designed and implemented an interactive dashboard to visualize key security metrics and provide real-time insights into potential threats.
- Collaborated with a team to conceptualize, develop and present the innovative cybersecurity solution within the competitive hackathon environment.
- Gained practical experience in full-stack development principles, cyber security measures and rapid prototyping within a time-constrained setting.

## PROJECTS

**Socket Programming**

- Designed and implemented a port scanner using socket programming techniques to identify open ports on network devices. This tool allows for the assessment of network security vulnerabilities and provides insights into the communication pathways active on a system.

**DNS Server**

- Developed a Domain Name System (DNS) server responsible for resolving human-readable domain names into their corresponding IP addresses. The system also incorporated a mechanism to verify the reachability and availability of the resolved IP addresses, ensuring reliable network communication.
- **Proxy Server**
- Created an efficient proxy server designed to manage network traffic, enhance security by controlling and filtering requests and potentially improve network performance through caching frequently accessed resources. This project demonstrated an understanding of network architecture and security principles.

**Radar System using Arduino**

- Engineered and constructed a functional radar system utilizing Arduino, showcasing practical expertise in embedded systems development, sensor integration and Internet of Things (IoT).

**ESP32 Web Server**

- Developed an IoT – based web server using the ESP32 microcontroller to enable seamless interaction with smart devices.

**Traffic Light management System**

- Designed an intelligent traffic control system aimed at optimizing real-time signal management to improve traffic flow and reduce congestion.

## CERTIFICATIONS

**Udemy** – 2024 C Programming Bootcamp. Flutter UI Bootcamp, ChatGPT – Complete guide for beginners

**Coursera** – Write Professional Emails in English, Introduction to Office Productivity Software, Everyday Excel (Part 1,2 & 3)

**Great Learning** – Introduction to Information Security, Network Security, Introduction to Ethical Hacking in Cyber Security.