

# Soujanya K

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Bengaluru, Karnataka

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## PROFILE

Computer Science undergraduate specializing in Cybersecurity with hands-on experience building a Generative AI application using Python and OpenAI APIs. Actively building foundational knowledge in machine learning and data science, with interest in developing practical, AI-driven systems.

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## TECHNICAL SKILLS

**Tools:** OpenAI API, Replicate API, Jupyter Notebook, Github

**Languages:** Python, JavaScript (basic)

**Exposure:** Generative AI application development, Prompt engineering, API integration, Foundational machine learning concepts

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## PROJECTS

### Story & Comic Book Generator

- Built a Generative AI application that creates a title, five-chapter story and AI-generated images from minimal user input.
- Designed prompt-based workflows using OpenAI APIs and integrated text and image generation.
- Implemented a complete AI workflow from user input to text and image generation using API-based models.

1<sup>st</sup> Place - Model Presentation (College Level)

### Multi-media Steganography Tool

- Developed a Python tool to embed and extract hidden data in image and audio files using the LSB technique.
- Focused on data confidentiality and secure communication.

### Keylogger and Anti-Keylogger software

- Built a Python-based keylogger to study keystroke interception techniques.
  - Implemented a basic anti-keylogger to detect and stop unauthorized input capture.
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## AWARDS AND CERTIFICATIONS

Cryptography and Network Security Certification - NPTEL (May, 2025)

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## EDUCATION

### BE IN CSE - CYBER SECURITY

Sri Venkateshwara College of Engineering, 2022-2026  
CGPA: **8.13**

### SECONDARY SCHOOL

Jawahar Navodaya Vidyalaya, 2015-2022  
XII Percentage: **84.0**    X Percentage: **86.6**