

# KANDULA KOTESWARARAO

Software Engineer — Intern

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## Summary

Motivated Software Engineer and IT student with experience in web development, cloud computing, and AI-driven projects. Strong in Python and full-stack technologies, with a focus on writing clean, efficient code and continuously improving through real-world learning. Eager to contribute to impactful projects and grow within dynamic engineering teams.

## Skills

**Programming & Querying:** Python, Java (basic), JavaScript, HTML/CSS, SQL

**Cybersecurity:** Vulnerability assessment, basic network monitoring; Wireshark, Nmap, Burp Suite, Metasploit, Kali Linux

**Cloud & DevOps:** AWS (EC2, S3), CI/CD basics, Git/GitHub

**IoT Hardware:** Arduino, ESP8266/ESP32, sensors

## Internship Experience

### AWS Cloud DevOps Intern

May 2025 – Jul 2025

*Exclr (Virtual)*

*Tools: AWS, Git, CI/CD*

- Assisted in configuring core AWS services and setting up CI/CD pipelines.
- Automated deployment steps to reduce manual effort and improve release consistency.

### Steganography Tool Intern

2024

*Supraja Technology (Onsite)*

*Tools: Python, SQL*

- Developed a secure data-hiding tool embedding encrypted information into digital media using Python.
- Integrated multi-format support (images/audio) with minimal perceptual distortion for practical use.

### Web Development Intern

May 2024 – Jul 2024

*Swecha (Virtual)*

*Tools: HTML, CSS, JavaScript, PHP, Database*

- Built interactive, responsive web modules improving usability and accessibility.
- Collaborated on front-end improvements to enhance UI/UX performance.

## Projects

### Steganography (Python)

2025

- Developed a Python-based data-hiding tool using AES-256 and adaptive LSB to securely embed payloads in images and audio with minimal distortion; integrated CRC checks and redundancy for reliable decoding.

### Student Exit Survey Web Application (PHP, MySQL, JavaScript, Python)

Feb 2025 – May 2025

- Built a full-stack feedback system with secure auth, automated MySQL data ingestion, PO analytics, and interactive visual reports; deployed on the college intranet to support academic quality assurance.

### Secure Chat Web App (Python, Flask-SocketIO)

Feb 2025 – Jun 2025

- Implemented real-time encrypted messaging and file sharing using AES/RSA, token-based auth, SHA-256 integrity checks, and key rotation for confidential, tamper-proof communication.

## Certifications

- **Generative AI — Coursera (2025):** Coursework in neural networks, diffusion models, and prompt engineering for text/image generation.
- **Avishkar Research Convention (2024):** Selected to present “Drainage System” at the university-level research forum, highlighting innovation and technical proficiency.
- **Python Programming — CodeTantra (2024):** Practical training in Python fundamentals, OOP, and data handling through interactive labs.

## Education

### B.Tech in Information Technology

Graduation: 2026

*PSCMR College of Engineering & Technology, Vijayawada*