

# Swaroop Kurapati

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## EDUCATION

### Prathyusha Engineering College

Tiruvallur, Tamil Nadu

*Bachelor of Engineering in Computer Science — GPA: 8.5*

*Nov 2022 – Apr 2026*

- Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Object-Oriented Programming, Cloud Computing, AI/ML

## INTERNSHIPS

### Backend Engineering Intern

Jan 2026 – Present

*C1X Inc.*

*Remote*

- Building scalable backend systems with focus on API development

### AI Intern

Jul 2025 – Aug 2025

*SkillSync*

*Remote*

- Designed and deployed AI-powered web applications using Streamlit and Python for enhanced user experiences
- Implemented machine learning models for predictive analytics and data-driven insights

### AI Intern

Feb 2025 – Mar 2025

*Edunet Foundation*

*Remote*

- Built personal fitness tracker using ML algorithms for real-world datasets, achieving accurate trend predictions
- Developed interactive AI applications with Streamlit, improving model deployment efficiency by 40%
- Applied supervised and unsupervised learning techniques for data preprocessing and model optimization

### Cybersecurity Intern

Jan 2025 – Feb 2025

*Edunet Foundation*

*Remote*

- Conducted penetration testing and vulnerability assessments using Kali Linux and Python automation scripts
- Analyzed phishing operations and social engineering attacks, developing mitigation strategies
- Configured network security simulations using Cisco Packet Tracer for security protocol implementation

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/TypeScript, SQL, HTML/CSS, LaTeX

**Frameworks & Libraries:** NestJS, LangChain, Streamlit, React (basic)

**AI/ML Technologies:** Large Language Models (LLMs), Machine Learning, Natural Language Processing, Model Deployment

**Tools & Platforms:** Git/GitHub, MySQL, Docker (basic), Linux, Kali Linux, Cisco Packet Tracer

**Core Competencies:** Data Structures & Algorithms, Object-Oriented Programming, Cloud Computing, Cybersecurity, API Development

## PROJECTS

### Personal Fitness Tracker

Python, Streamlit, Machine Learning

*AI-Powered Health Analytics Platform*

- Developed ML-based fitness tracker analyzing real-world datasets for personalized health insights and progress tracking
- Implemented data visualization and predictive analytics for fitness trends using supervised learning algorithms

### AI-Powered Web Applications

Python, Streamlit, LangChain

*Interactive Intelligent Systems*

- Created multiple AI applications integrating LLMs for natural language processing and intelligent user interactions
- Optimized model performance and deployment workflows, reducing inference time by 30%

## CERTIFICATIONS

Introduction to Artificial Intelligence | Python (Basic) | Prompt Engineering for Everyone | E-Commerce Level 1