

# Sriharsha Meduri

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## EDUCATION

### Andhra University College of Engineering

Bachelor of Technology in Information Technology; CGPA: 8.0/10

Visakhapatnam, India

Aug 2023 – Apr 2027

## PROFESSIONAL EXPERIENCE

### Machine Learning Intern

Dec 2025 – Present

iMerit Technology

Visakhapatnam

- Supporting data annotation and model fine-tuning workflows for Fortune 500 AI projects across computer vision, NLP, and audio domains, utilizing DataStudio and Ango Hub platforms for quality control and automation
- Collaborating with ML engineers on training data enrichment, sentiment analysis labeling, and annotation pipeline optimization for production AI systems in autonomous vehicles, medical AI, and enterprise applications

### Machine Learning Research Intern

Sep 2025 – Present

Under mentorship of Prof. Pratap Chandra Mandal, IIM Shillong

Remote

- Drafting research paper on **deep learning for text classification** using LSTM and BiGRU architectures with GloVe embeddings, implementing advanced NLP preprocessing pipelines
- Achieved **83% accuracy, precision, recall, and F1-score** on large-scale customer complaint datasets through systematic experimentation and hyperparameter tuning

### Web Development Intern

Sep 2025 – Present

InsightKnox

Remote

- Built 5+ responsive web components using React and Tailwind CSS, reducing page load time by 35% through lazy loading and code splitting, improving mobile user retention by 22% across 10K+ monthly visitors

## PROJECTS

### PhishingLens - Multi-Modal Phishing Detection System | Python, FastAPI, React, Docker, K8s, ML/AI

- Built production-grade AI system achieving **96% detection accuracy** with **sub-50ms response times**, leveraging DistilBERT transformers for NLP, YOLOv5/v8 for visual brand detection, and Graph Neural Networks
- Engineered **4-source threat intelligence fusion** (Scanner + DistilBERT + GNN + OTX feeds) with **2-of-4 consensus voting**, reducing false positives by 40% through calibrated probability scoring; deployed microservices on Docker/Kubernetes with Prometheus/Grafana monitoring achieving **99.9% uptime**
- Delivered cross-platform protection suite: React dashboard, Chrome MV3 extension with real-time blocking, and REST API securing **5,000+ users**, integrated PhishTank/MISP threat feeds for continuous learning with automated model retraining and **10K+ concurrent user** capacity

## KEY ACHIEVEMENTS

### 2nd Position – National Cybersecurity Bootcamp

Apr 2025

- Secured 2nd place and **Rs. 5,000 prize** at Andhra University & ISEA bootcamp (sponsored by MeitY, Govt. of India) among **150+ participants** by building a browser extension to detect phishing websites and Implemented real-time alerts and user whitelist management to protect users from malicious content

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, Java, C

**Web Development:** React, FastAPI, Django, Vite, HTML, CSS, Bootstrap, TailwindCSS, Storybook

**Machine Learning/AI:** PyTorch, Scikit-learn, Transformers, TensorFlow, Graph Neural Networks, ONNX

**DevOps & Infrastructure:** Docker, Microservices, REST APIs, CI/CD

**Databases:** MySQL

**Tools:** Git, GitHub, VS Code, Figma, Notion, Canva, Wix

## LEADERSHIP & ACTIVITIES

### Google Developer Student Clubs | Co-Lead – Cybersecurity Chapter

2025 – Present

- Organized **technical workshops**, Capture The Flag competitions, guest speaker sessions on cybersecurity, engaging **200+ students** and mentored **peers** in phishing detection techniques, secure coding practices, and penetration testing methodologies