

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 Research Intern

Under mentorship of Prof. Pratap Chandra Mandal, IIM Shillong

Sep 2025 – Present

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

Full Stack Web Development Intern

InsightKnox

Sep 2025 – Present

Remote

- Developed and maintained the company website using modern web technologies, implementing responsive design patterns and performance optimizations to enhance user engagement and ensure seamless cross-device accessibility and connectivity

PROJECTS

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

- Built production-grade system achieving **98% detection accuracy** with **sub-100ms response times** across text (DistilBERT NLP), URL (4-source threat intelligence fusion), and image analysis (YOLO + OCR pipelines)
- Engineered microservices architecture with 4-source consensus voting (Scanner, HuggingFace, Graph Neural Networks, OTX threat feeds) and deployed as web application, Chrome extension, and REST API with **99.9% uptime**

React Component Library | React, TypeScript, TailwindCSS, Storybook | GitHub | Demo

- Designed and developed production-ready, reusable UI components (InputField, DataTable) with TypeScript and Integrated validation logic, sorting algorithms, and selection handling; documented component APIs in Storybook

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

Qualified – Smart India Hackathon 2025 (Internal Round)

Sep 2025

- Selected for SIH 2025 internal round at Andhra University by developing multi-modal phishing detection system with 98% accuracy against **50+ competing teams**

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

Cybersecurity: Phishing Detection, Penetration Testing, Vulnerability Assessment

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