Shally Katariya

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OBJECTIVE

Third-year Computer Science student (9.45 CGPA) specializing in Cybersecurity, with hands-on experience in C++, Python, and full-stack development. Seeking a Software Engineering Internship to apply my skills in object-oriented design and contribute to building robust, user-centric applications.

EDUCATION

SRM Institute of Science and Technology

2023 - Present

B.Tech Computer Science Specialization in Cybersecurity

CGPA: 9.45

TECHNICAL SKILLS

- Programming Languages: C, C++, Python, HTML/CSS, Javascript
- ML/DL Frameworks: TensorFlow, Keras, PyTorch, Scikit-learn, Hugging Face
- Data Science & Tools: Pandas, Matplotlib, SciPy
- Big Data Tools: Hadoop, Hive, Spark
- Web Technologies: Flask, Firebase, React, FastAPI, PostgreSQL
- Developer Tools & Software: Git, Docker, MS Office Suite (Word, Excel, PowerPoint)

EXPERIENCE

Al & Machine Learning Intern | Infosys Springboard

Aug 2025 - Present

- Developed SafetyEye, an Al-powered workplace monitoring system, achieving 87% mAP@0.5 in real-time PPE detection using a fine-tuned YOLOv8 model.
- Engineered a low-latency pipeline to process video streams and issue violation alerts in under 2 seconds, viewable on a live analytics dashboard.

Core Developer | AEGIS Club, SRMIST

Aug 2025 - Present

- · Actively contribute to the development of technical projects and initiatives within the cybersecurity club.
- Served on the first-round shortlisting judging panel for Hyperthon, a hackathon hosted by the AEGIS Club, evaluating project viability and innovation.

PROJECTS

Peer-to-Peer Payment App

- Built a secure payment platform enabling peer-to-peer money transfers with JWT-based authentication and role-based access control.
- The system supported transaction classification (income, expense, transfers) and integrated fraud-prevention features with real-time validation APIs.
- Technologies: Python, FastAPI, PostgreSQL, SQLAlchemy, JWT, React

Multilingual Cyber Threat Intelligence (CTI) Platform

- In a team, built a CTI platform that achieved 95% accuracy in classifying malicious IOCs from Telegram using a fine-tuned XLM-RoBERTa model.
- The system featured a Flask/React dashboard and supported real-time translation for 100+ languages. Work submitted for conference review.
- Technologies: Python, Hugging Face Transformers, XLM-RoBERTa, Flask, React

CERTIFICATIONS

- Infosys Springboard Introduction to Natural Language Processing (June 2025)
- Infosys Springboard Artificial Intelligence Primer Certification (June 2025)
- Big Data & Machine Learning Bootcamp (CDAC, Noida) Hadoop, Hive, Spark, Python for ML