

# SUGANDHINI PASUPULA

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## CAREER OBJECTIVE

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Enthusiastic Software Engineer aiming to leverage expertise in design, product development, change management, and risk management to build efficient and scalable software solutions. Committed to driving team performance through innovation, collaboration, and continuous improvement. Passionate about contributing to organizational success by enhancing processes and ensuring technical quality.

## EDUCATION

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B.Tech in Computer Science Engineering 2021-2025  
Kakatiya Institute of Technology and Science for Women. CGPA: 7.6/10

## TECHNICAL SKILLS

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- Programming Languages : Java, C, Python, C++
- Web Development : HTML, CSS, JavaScript
- Database : SQL
- Common Skills : MS office, MS word, Power point
- Web Tools : Git, GitHub, VS code
- Data Visualization : Power BI

## PROJECTS

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### AI-Driven Transformation Of E-Governance And Cybersecurity In Smart Cities :Stakeholder Insights

Designed and developed a system to detect and prevent cyber threats in public service portals by implementing machine learning algorithms such as Decision Trees, Random Forest, Naïve Bayes, and SVM to classify and predict cyber-attack patterns. Built a real-time URL Threat Detection Module for e-commerce and government websites, ensuring secure data handling and developing a monitoring dashboard that achieved over 90% accuracy in detecting malicious URLs. The project utilized tools and technologies including Python, Django, Scikit-learn, Pandas, NumPy, MySQL, HTML, CSS, and JavaScript.

### Socio-Technical Ecosystem Consideration: An Emergent Research Agenda For AI in cybersecurity

Conducted an in-depth study on socio-technical ecosystem considerations for AI-driven cybersecurity. Explored interdisciplinary cybersecurity models, AI-enabled threats, governance challenges, and ethical implications. Summarized key research themes including AI algorithm security, responsible innovation, multi-stakeholder governance, and future socio-technical risk mitigation strategies.

## ACHIVEMENTS

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- Work Shop basis on the Web Development hosted by edureka
- Python by simplylearn.
- Java Full Stack with React JS AI hosted by BRAINOVISION SOLUTIONS.