SURAKSHA

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Computer Science – Cyber Security Engineering student. Developed projects web-based applications showcasing adaptability and technical expertise. Experienced in hackathon technical management and demonstrating leadership, problem solving and initiative.

PROFESSIONAL EXPERIENCE

Varcons Technology PVT LTD   Oct 2023 – Dec 2023
Java Development |Certificate|

- Gained hands-on experience in Java by building a Typing Speed Calculator and improving code efficiency by 30%.
- Strengthened understanding of software design and client specifications by identifying and preparing detailed reports, enhancing core Java skills by over 40%.

EDUCATION

ACS College of Engineering   2022 - 2026
Course: Computer Science and Engineering in Cyber Security   Recent CGPA = 8.5

PROJECTS

Eco Drive: AI-Powered Traffic and Emission Optimizer |SOURCE CODE|

- Built an AI-driven web app using Python, Scikit-learn, and Streamlit to predict traffic congestion and carbon emissions for optimized route selection.
- Built a AI chatbot using OpenAI.
- Applied data preprocessing & visualization (Pandas, NumPy, Plotly) and containerized the app with Docker for scalable deployment.

Performance Tracking & Insights Dashboard – Netflix Case Study |LINK|

- Applied data cleaning, modelling, and visualization techniques to transform raw datasets into actionable insights with an intuitive UI/UX.
- Showcased expertise in dashboard design and reporting tools, aligning with performance tracking and visualization use cases in AI-driven solutions.

Gym Website |SOURCE CODE|

- Built a full-stack gym management app using HTML, CSS, JavaScript, Nodejs and SQL.
- Implemented user registration/login and a session booking system. Designed a responsive and user-friendly interface.

AI-Powered Web Application Vulnerability Scanner (Ongoing)

- Designing a web-based security scanner to detect web application vulnerabilities using Machine Learning classifiers, aiming to reduce false positives.
- Currently developing an NLP-powered module to generate automated remediation suggestions for identified issues

SKILLS

- **Programming and Development:** HTML, CSS, Java(core), Python (Data Cleaning, Machine Learning), SQL
- **Data and Analytics**: Power BI, Data Cleaning (Python), Data Visualization
- **Version Control & DevOps Tools:** Git, GitHub, Docker
- **Cyber Security:** Penetration Testing, Vulnerability Assessment, Threat and vulnerability management, Kali Linux
- **Soft Skills:** Problem-solving, Resilient, Team Leadership, Communication

CERTIFICATIONS

- Student Development Program - by EXCELR
  - Completed a 15-day, 30-hour Student Development Program on Cyber Security. Attained 85% practical proficiency in threat detection, ethical hacking, and network defense.
- Cyber Security Analyst Job Simulation – TATA Group (Forage)
  - Gained IAM fundamentals, IAM strategy assessment and platform integration.

ACHIEVEMENTS

- Axile Group -Quiz Hackathon winner   March 2025
- Cyber Craft – Hackathon Technical Coordinator   Dec 2024