SANJITH R

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OBJECTIVE

Motivated and detail-oriented cybersecurity student with a strong foundation in data analysis, software development, and embedded systems fundamentals. Dedicated to leveraging analytical, programming, and problem-solving skills to contribute to innovative solutions in cybersecurity and embedded systems, driving impactful results in multidisciplinary software engineering projects.

PROJECTS

Advanced Driver Assistance System (ADAS)

- Designed a safety system with features like drowsiness detection and theft alerts, achieving 95% success rates.
- Integrated GSM-based alert mechanisms for emergency notifications.
- Tech Stack: Raspberry Pi, Arduino, OpenCV.

Secure Code Chatbot for C

- Developed a chatbot to detect vulnerabilities in C programs, achieving 80% accuracy.
- Designed a Tkinter-based GUI for real-time error reporting.
- Tech Stack: Python, Tkinter, Cppcheck.

AI-Powered Intrusion Detection System

- Built a machine learning model to classify malicious traffic, deployed on AWS for scalability.
- Utilized Scikit-learn for model training and testing.
- Tech Stack: Python, AWS, Scikit-learn.

INTERNSHIP EXPERIENCE

Bharat Sanchar Nigam Limited (BSNL)
Intern – Optical Fiber Cable and Transmission Systems

- Gained hands-on experience in the operation and maintenance of optical fiber cable networks and transmission systems.
- Acquired insights into the configuration, troubleshooting, and performance monitoring of telecom equipment.
- Worked closely with a professional team to understand real-world telecom applications.

EDUCATION

- **Master of Engineering (Cybersecurity)** – Manipal School of Information Sciences, MAHE, Manipal (CGPA: 7.96)
- **Bachelor of Engineering (Electronics and Communication)** – Sri Siddhartha Institute of Technology, Tumakuru (CGPA: 6.58)
- **PUC (12th)** – Sarvodaya PU College, Tumakuru (Marks: 76.5%)
- **SSLC (10th)** – Chethana Vidya Mandira, Tumakuru (Marks: 81.7%)

TECHNICAL SKILLS

- **Programming & Data Analysis**: C,Python, SQL, Pandas, NumPy, Arduino.
- **Visualization Tools:** Power BI, Tableau, Matplotlib, Seaborn.
- **Machine Learning**: Classification, Clustering, Model Training.
- **Networking & Security**: VPN (IPSec, SSL/TLS), IDS/IPS (Snort, Wireshark), Firewall Configuration.
- **Tools & Frameworks**: TensorFlow, PyTorch, Scikit-learn, Nmap, Logic Analyzers.

CERTIFICATIONS

- Kali Linux – Board Infinity
- Introduction to SIEM (Splunk) – EDUCBA
- CEH (v12) Practice Projects and Exam Simulators – LearnKartS
- Cybersecurity Assessment: CompTIA Security+ & CYSA+ – IBM
- Exploratory Data Analysis for Machine Learning – IBM
- Digital Forensics Essentials (DFE) – EC-Council

LEADERSHIP AND KEY ACHIEVEMENTS

- **IEEE Leadership**: Spearheaded the organization of Samarthya, an intercollegiate technical fest, as Treasurer of the IEEE Student Branch, while also managing workshops across various technical fields.
- **Financial Management**: Successfully oversaw a ₹1,00,000 budget as Treasurer of the IEEE Student Branch, organizing impactful technical events and competitions.
- **Award-Winning Website**: Collaborated with a team to design and develop the official IEEE college website, earning 1st place for Outstanding IEEE Student Branch Website at the Annual General Meeting (AGM).
- **Bug Bounty Engagement**: Explored platforms like HackerOne, identifying vulnerabilities and gaining practical experience in application security.