AKASH KUMAR

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GitHub Profile
LinkedIn Profile

Education

- **National Forensic Sciences University, Delhi**
  B.Tech - M.Tech (Integrated) Computer Science and Engineering with specialization in Cybersecurity *CGPA:7.6*
  Coursework: Cybersecurity, Ethical Hacking, Data Structures and Algorithms (C++), Prob & Stat in CS (Python), Web Development(Front End),Networking, Cyber Crime Investigation, Digital Forensics, Linux
- **Gyan Bharti Global Senior Secondary School, Gaya, Bihar** 2021
  Central Board of Secondary Education

Experience

Edunet Foundation with AICTE June 2024 — July 2024
AI and Cloud Intern *Remote*

- Data Cleaning and Processing: Acquired tactics for cleaning and acquiring data which has to be prepared to be good in analysis.
- Predictive Analysis of TED Talk Views: Initiated a project of forecasting how many views specific TED Talks may potentially gain taking into account different circumstances, for which used data analysis and machine learning algorithms.

Inter At Indian Cyber Crime Coordination Center (I4C), Ministry of Home Affairs, Govt. of India Feb 2025 — April 2025
Vertical: Cyber Fraud Mitigation Center (CFMC)

- Assisting in monitoring and analyzing large-scale cyber fraud incidents reported nationwide. Analyzed cyber fraud incidents using threat intelligence feeds, transaction pattern analysis, and telemetry data from financial institutions and telecom partners.
- Conducted static and dynamic analysis of malicious Android APKs reported by users to identify malware signatures, payload behaviors, and exploit mechanisms.

Projects

NIDS and Comparative Analysis of Different Classification Algorithms | *Machine Learning, Python*

- Designed and implemented Network Intrusion Detection Systems (NIDS) to monitor and detect suspicious network traffic.Analyzed network traffic and logs to identify potential security breaches, malicious activity, and anomalies in network behavior.
- Compared and analyzed different classification techniques for network intrusion detection including Decision Trees, SVM, k-NN, Random Forests and many others.

Portfolio Website | *React.js*

- Created a responsive and user-friendly portfolio website to showcase a collection of projects, skills, and accomplishments, demonstrating expertise in web development and design.

Mirrored/Cloned Website Detection Tool | *Python, Tkinter, BeautifulSoup, requests, difflib*

- Developed a Python-based tool with a GUI for detecting cloned or mirrored websites used in phishing and cyber fraud. Implemented URL analysis, HTML structure parsing, and content similarity checks using BeautifulSoup and difflib modules.
- Designed an interactive GUI using Tkinter for real-time user input, results display, and report generation.

Technical Skills

- **Languages:** C, C++, Python, Java, HMTL, CSS, JavaScript, C
- **Technologies:** Cyber Crime Investigation tools, SOAR, React.js, Data Cleaning and Processing, jQuery, Linux, MySQL, OSINT Tools, ASP.NET, Node.js, Digital Forensic Tools, Linux, BurpSuite, Metasploit
- **Concepts:** Compiler, Operating System, Networking, Cryptography, Artificial Intelligence, Machine Learning,
- Cybersecurity Tools and Techniques, Cloud Computing

Achievements/Certifications

- Getting Started with Enterprise-grade AI- IBM
- Journey to Cloud: Envisioning Your Solution- IBM
- Develop GenAI Apps with Gemini and Streamlit - GOOGLE
- Introduction to Generative AI - GOOGLE
- Prompt Design in Vertex AI - GOOGLE
- AWS-Cloud Semester- 1
- Cybersecurity Fundamentals - IBM
- Participated in the Toyota Tsusho System Capture The Flag(CTF) competition held at NFSU Delhi
- Spectre Capture The Flag (CTF) – OWASP
- Pragyan'25 Capture The Flag (CTF) - Unstop