

Akash Soni

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Education

Techno India NJR Institute of Technology, Udaipur (Raj.)

2022 - 2026

B.Tech. Computer Science & Engineering CGPA : 8.59

Experience

Data Science Intern | IBM, Remote

Jul 2023 - Aug 2023

- Lung Cancer Analysis using linear regression, improving diagnostic accuracy by 25% and implementing machine learning algorithms with 30% accuracy improvements.
- Applied statistical and exploratory analysis to support research accuracy.

Cybersecurity Fundamentals Intern | CSRBOX, Remote

Oct 2024 - Nov 2024

- Gained hands-on exposure to threat models, security protocols, vulnerability assessment and cyber hygiene.
- Supported security audits, penetration testing, and incident response activities, collaborating with teams to improve overall information security and risk management.

Projects

NoteBook Desktop Application

github.com/akash2061/NoteBook-app

- Developed a cross-platform desktop application using Electron, React, and TypeScript to enhance productivity through efficient note-taking and task management features.
- Implemented features such as **CRUD (Create, Read, Update, Delete) operations**, state management, and responsive UI components, ensuring optimal performance, scalability, and user experience.

RUST Hash Checker

github.com/akash2061/RUST-Hash-Checker

- Developed a lightweight and secure **command-line interface (CLI) tool** in Rust for **SHA-256** hashing and password validation, tailored for basic cybersecurity workflows and audit tasks.
- Enabled rapid hash comparison against evolving password lists with auto-update functionality, reducing manual effort by ~40% and enhancing efficiency in security assessments.
- **Technologies:** Rust, SHA-256, Cargo, CLI

Pomodoro Timer App

github.com/akash2061/Pomodoro-Timer-App-Rust

- Developed a lightweight and secure **desktop productivity application** using Rust and **Tauri v2**, achieving up to ~30% faster startup times and ~70% lower memory usage compared to traditional Electron.js apps.
- Implemented a customizable Pomodoro timer with adjustable work/break intervals, built-in sound alerts, and full cross-platform support to enhance user focus and time management.
- **Technologies:** Rust, Tauri v2, Node.js, React, JavaScript, HTML, CSS, GitHub

Skills

Programming: C, C++, Rust, JavaScript, Java, Go, TypeScript, Shell Scripting

Databases: MySQL, MongoDB

Full Stack: React, Express, Node.js, Vite, Tauri, HTML, CSS

DevOps, Cloud & Networking: Docker, Kubernetes, Jenkins, Ansible, AWS, Git, GitHub, SSH, Postman, REST APIs, TCP/IP, DNS, server config, network protocols, firewalls (iptables, ufw, firewallld)

Security: DDoS mitigation, network security, Linux hardening, SELinux, vulnerability scanning, ethical hacking

Achievements

Hackathon Finalist - LogiTHON 2025

github.com/Tech-Transit

- Achieved finalist position in **LogiTHON 2025** by developing a logistics optimization solution that improved **multi-modal transport efficiency by ~25%**, reduced delivery times by ~20%, and lowered operational costs.
- **Led full-stack development**, deploying integrated frontend and backend systems, and implemented real-time route optimization using **Docker** for **containerization** and **Kubernetes (K8s)** for scalable deployment.

Internal Round Winner - Smart India Hackathon 2024

github.com/akash2061/SIH-2024

- Optimized CAPTCHA system, reducing user response time by ~35% and improving bot detection accuracy by ~30%.
- Developed and implemented a robust **Distributed Denial of Service (DDoS) prevention system** leveraging real-time traffic monitoring, network analysis, and threat mitigation to detect and block malicious activities.
- Integrated **advanced IP tracking** and request filtering techniques to proactively prevent harmful traffic, enhancing overall network security and cybersecurity posture.

Certificates

GitHub Foundations	GitHub
Postman API Fundamentals Student Expert	Postman API
CS50x	Harvard University
Docker Foundations Professional Certificate	Docker, Inc
Introduction to Containers, Kubernetes, and OpenShift V2	Cognitive Class