Ayush Kumar

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Career Objective

Computer Science student with hands-on experience in Web Development and a growing focus on Cybersecurity and Data Science. Passionate about building secure, scalable applications and continuously upgrading technical skills through real-world projects and certifications.

Education

B.Tech in Computer Science & Engineering (2023–2027)

Shobhit Institute of Engineering & Technology, Meerut, UP

Relevant Coursework: Internet and Web Technology, DAA, Foundations of Cybersecurity

Technical Skills

- **Programming Languages:** Python, C/C++, SQL
- **Web Technologies:** HTML, CSS, JavaScript, MERN Stack
- **Database:** MongoDB, MySQL
- **Tools & Platforms:** Git, GitHub, VS Code, Jupyter Notebook, XAMPP
- **Operating Systems:** Windows, Linux
- **Security Concepts:** Cryptographic Hashing, Integrity Verification, Authentication

Projects

SecBootKIVS – Secure Boot & Integrity Verification System
Technologies: Linux, Bash, Cryptography Concepts, System Security
- Developed a secure boot and integrity verification system to detect unauthorized changes in system files.
- Implemented hashing-based integrity checks to ensure system authenticity during boot.
- Strengthened system security by preventing tampering and unauthorized modifications.
- Gained hands-on experience with Linux security concepts and low-level system protection.
Link: https://github.com/Ayushkumar418/SecBootKIVS

Personal Portfolio Website
Technologies: HTML, CSS, JavaScript
- Designed and deployed a responsive portfolio to showcase projects and skills.
- Improved user experience with clean UI and smooth interactions.
Link: https://ayushkumar418.github.io/Portfolio

Online Voting System
Technologies: HTML, CSS, JavaScript, PHP, MySQL
- Built a secure online voting system with admin controls and real-time result tracking.
- Focused on data integrity and user authentication.
Link: https://github.com/Ayushkumar418/VotingSystem

Certifications & Achievements

- Data Science Course – CodeWithHarry (Link)
- Web Development Certification
- Full Stack Development Workshop
- Introduction to Artificial Intelligence
- Cybersecurity Certification: Ethical Hacking (Link)
- Cybersecurity Certification: Red Team Fundamentals (Link)
- Hackathons: SU Coder Hunt, Fetch-a-Thon'24

Areas of Interest

- Cybersecurity, Ethical Hacking, Web Application Security, Data Science