ADARSH MISHRA

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OBJECTIVE

Diploma in Computer Engineering student with a strong focus on Cybersecurity (ethical hacking, vulnerability assessment, and CTFs) and full-stack development. Interested in penetration testing roles and building secure, scalable applications using modern web, mobile, and cloud tools.

EDUCATION

Diploma in Computer Engineering   -VIVA Institute of Technology

TECHNICAL SKILLS

- **Programming**: JavaScript, TypeScript, Python (Flask), Dart (Flutter)
- **Web Development**: React, Vite, Node.js, REST APIs, Firebase (Auth/Firestore/Storage)
- **Databases**: MySQL, Firebase Firestore
- **Tools**: Git/GitHub, VS Code, Postman, Google Workspace
- **Cybersecurity**: Vulnerability Assessment, Web Security Basics, CTFs, CyberChef, IoT Security (ESP8266/ESP32)
- **Concepts**: OOP, SDLC, Debugging, Testing, Secure-by-Design Thinking

PROJECTS

1. **NexaCore (AI-powered Life Planner)**
   Built an AI-assisted planner using GPT-4 with emotion analysis using DeepFace/OpenCV; integrated voice assistant flow and automated PDF reporting for insights and guidance.
2. **Smart Education System**
   Developed role-based dashboards (Admin/Teacher/Student) with Firebase-backed data and AI-driven recommendations; optimized data flow and performance for classroom use-cases.
3. **SelfieAnalysis Component**
   Created a React component for facial wellness/emotion signals using face analysis models; stored outputs securely with Firebase Storage and implemented efficient upload/retrieval.
4. **IoT Security & Prototyping**
   Worked with ESP8266/ESP32 for real-time IoT experiments and security learning (access-point concepts, device telemetry, and secure firmware practices).

Leadership, Achievements & Community

- 1st Prize-Gyanotech (hackthon)
- 2nd Prize – VIVA-Tech Imperia Project Competition (Hackathon/Project Showcase).
- Participant – TECHNIVERSE Hackathon (LR Tiwari College).
- Certifications: Hack The Box – Vulnerability Assessment (Jul 2023); Introduction to Academy (Jun 2023); Ethical Hacking & Penetration Testing (Aug 2023).
- Content & Community: Cybersecurity learning content creator (YouTube channel: Hyper-A) and active participant in CTF communities.

SOFT SKILLS

- Critical Thinking & Analytical Problem Solving
- Collaboration & Independent Ownership
- Communication & Presentation Skills
- Adaptability & Fast Learning
- Leadership & Team Coordination

PROFESSIONAL EXPERIENCE

Security & Development Projects (Academic / Hackathon / Self-driven)
Hands-on work across web/mobile development and cybersecurity labs, including building prototypes, performing basic vulnerability assessment, and documenting findings.

Content Creator (Cybersecurity) – Hyper-A (YouTube)
Created beginner-friendly content on ethical hacking concepts, tools, and learning pathways; focused on awareness and practical demonstrations.