Nikunj Miglani

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EDUCATION

SRM Institute of Science and Technology
B.Tech in Computer Science; CGPA: 8.2
Uttar Pradesh, IN
Aug 2024 – Jul 2028

MRG School
Intermediate (CBSE); CGPA: 8.8
New Delhi, IN
Aug 2022 – Jul 2024

PROJECTS

AyuTrace – Blockchain-powered Herb Traceability
ayutrace
2025
- : Designed and deployed **Solidity smart contracts** for secure supply-chain data management, integrated via **Ether.js**.
- : Implemented **SHA-256 hashing + geo-verification** to prevent source manipulation and ensure authenticity.
- : Developed the platform using **Next.js, MongoDB, TailwindCSS, Shadcn UI** for a scalable and responsive system.

FNDP – AI-powered Fake News Detector
fndp-frontend.vercel.app
2025
- : Built a full-stack **NLP-based** fake news detection platform leveraging linguistic feature analysis.
- : Achieved **85%+ accuracy** on a benchmark dataset by training and tuning ML models.
- : Integrated the model into a **real-time web application** with REST APIs to provide instant verification.
- : **Explored LLM cross-verification** to enhance confidence scoring and reduce false positives.

VulneraScan – AI-Assisted Security Scanner
GitHub Repo
2025
- : **Automated vulnerability detection system** performing URL reconnaissance, HTTP header checks, SSL/TLS evaluation, and subdomain enumeration.
- : **LLM-powered analysis layer** generates human-readable exploit explanations and remediation guidance by integrating OpenAI APIs.
- : Designed backend scanning pipeline using Python and Node.js; stored structured results in **MongoDB with SQL-style querying** for fast analytics.
- : Implemented **risk scoring model** to classify vulnerabilities based on severity and exposure surface.

ArcArea – Interior Design Marketplace
arcarea.vercel.app
2025
- : Built a **full-stack multi-role marketplace** with vendor management, secure onboarding, and payments.
- : Developed admin analytics dashboard and review system to optimize workflow and decision-making.
- : Integrated **Sanity CMS** for dynamic content and implemented **JWT authentication**.

EXPERIENCE

- **Freelance Developer**: Delivered 5+ web solutions with React/Node.js; focused on performance optimization and secure deployments.
- **Google Developer Group SRMIST**: Organized events/workshops for 100+ students; conducted technical sessions on modern web dev.
- **GeeksforGeeks SRMIST**: Hosted coding events and mentoring sessions, driving competitive programming culture.

ACHIEVEMENTS

- **Smart India Hackathon 2025**: Cleared **Internal SIH 2025** round with blockchain-based traceability solution.
- **Hackstasy Hackathon**: Ranked in the **Top 20 teams** among 300+ participants for a scalable full-stack project.

TECHNICAL SKILLS

- **Languages :** C/C++, JavaScript (ES6+), Python, SQL, Solidity:
- **Frameworks & Libraries :** Next.js, React.js, TailwindCSS, Shadcn UI, Flask, Bootstrap, Vite, Ether.js:
- **Developer Tools :** Git/GitHub, Vercel, Postman, MySQL, VS Code, CursorAI:
- **Core Concepts :** LLM Integration, Fast API Development, NLP, DSA, OOP, DBMS, Web Security: