A. Nishanth

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EDUCATION

- **SRM University, Kattankulathur** — Chennai, India
  Bachelor of Technology in Computer Science and Engineering (Cyber Security) — CGPA: 7.87 — 2022 – 2026
  Related Areas: *Cyber Security, Network Security, Web Security, Cryptography, Reverse Engineering*

SKILLS SUMMARY

- **Programming**: Python, JavaScript, C
- **Full Stack**: MERN Stack (MongoDB, Express.js, React.js, Node.js), RESTful API Design
- **Frontend**: HTML, CSS, JavaScript, React.js, Next.js, React Native, Tailwind CSS, Redux
- **Backend**: Node.js (Express), Python (Flask), JWT & OTP Authentication, Role-Based Access Control
- **Cybersecurity**: Web Application Pentesting, Network Security, Active Directory, Digital Forensics, Privilege Escalation, Reverse Engineering
- **Security Practices**: OWASP Top 10, Input Validation, Secure API Design, Rate Limiting, Secrets Management
- **Testing**: Nessus, Postman, API Testing, Manual & Automated Testing
- **Tools**: Burp Suite, Nmap, Wireshark, Metasploit, Hydra, Gobuster, John, Hashcat, Ghidra, IDA Pro, Ghidra, Git, GitHub, Docker
- **Databases**: MongoDB, PostgreSQL, MySQL, Prisma ORM

EXPERIENCE

- **BridgeLabz** — India
  Software Developer Intern (MERN & GenAI) — Oct 2025 – Feb 2026
  - **Full Stack Development**: Developed MERN stack applications using React, Node.js, Express, and MongoDB.
  - **GenAI Integration**: Integrated Generative AI features using LLM APIs for automation and content generation.
- **PAYMI B2B UK Retail Price Comparison App** — Remote
  Full Stack Developer (Freelance) — Feb 2025 – Ongoing
  - **Mobile App**: Developing a React Native app for wholesale price comparison and inventory workflows.
  - **Backend**: Built a Node.js (Express) backend using Prisma ORM and PostgreSQL.
  - **Core Features**: Implemented barcode scanning, inventory management, price sorting, printing, real-time WebSockets, and subscriptions admin dashboards and real-time customers chat.
- **AddiscombePizza-UK** — Remote
  Full Stack Developer (Freelance) — Jan 2025 – May 2025
  - **Backend Systems (Node.js, Prisma, PostgreSQL)**: Built a scalable backend handling complex pizza customization, combos, and offers.
  - **APIs & Pricing**: Developed 20+ REST APIs with dynamic pricing and strict server-side validation.
  - **Security & Payments**: Implemented OTP authentication (Twilio) and Stripe payments with verified order integrity.
  - **Real-Time Features**: Delivered live order tracking and admin dashboards using WebSockets.

PROJECTS

- **Book Store Application (MERN)**: Built a full-stack MERN bookstore with cart management, Stripe payments, and secure checkout workflows.
- **Fundoo Notes Application (MERN)**: Developed a collaborative notes app with authentication, Redis caching, and RabbitMQ for asynchronous processing.
- **Resume Screening & Skill Matching System (HR Tech)**: Built a RAG-based system to retrieve relevant resume sections, compare them with job descriptions, and generate match scores, reducing manual recruiter effort and bias.
- **Banking RAG AI Assistant**: Built a lightweight, deployable RAG-based AI assistant to explain loan decisions using historical data, without prediction or classification. Implemented using FastAPI, FAISS, embeddings, and LLM-based reasoning.

CERTIFICATIONS

- **Junior Penetration Tester**: TryHackMe

HONORS AND AWARDS

- Ranked Top 8 CTF Team in India (H7Tex)
- Hosted H7CTF with 7000+ participants
- Ranked Top 1% on TryHackMe
- Solved 300+ Medium and Hard CTF challenges on PicoCTF and Hack The Box

VOLUNTEER EXPERIENCE

- **CTF Challenge Developer — H7CTF** — India
  Designed web security challenges and maintained event infrastructure for 7000+ participants — 2024 – Present
- **CTF Participant (CTFtime)** — Online
  Regularly participate in weekly CTF competitions — 2023 – Present
- **Pentathon Hackathon**: Ranked Top 14 in a nationwide multi-domain competitive hackathon.