Dhruv John Samuel
Software Engineer

9902884226
dhruvsamuel05@gmail.com

Linkedin
Portfolio

- CyberSecurity
- Backend
- Competitive Programming
- App Security

STATEMENT

Passionate about backend engineering, API security, and building scalable systems. Eager to contribute to impactful projects by delivering secure, reliable, and user-focused software solutions.

EDUCATION

- **B.Tech, Computer Science Engineering** *2023 — 2027*
  Vellore Institute of Technology — CGPA: 9.13/10.00
- **Class 12, CBSE** *2023*
  Delhi Public School Bangalore North — 92%
- **Class 10, CBSE** *2021*
  Delhi Public School Bangalore North — 91.2%

PROJECTS

Intelligent Insurance Q&A System — **2025**

- **Tech:** Python, FastAPI, PyTorch, FAISS, ChromaDB, OpenRouter API
- Ranked **Top 200 of 50,000+**; improved retrieval accuracy by **60%** on policy docs

Pathfinder App – Club Navigation — **2024 — 2025**

- **Tech:** Flutter, Node.js, Express.js, MongoDB, Google Maps API
- Built secure REST APIs with authentication & JWT; boosted engagement by 60%

Phishing Email Detection — **2025**

- **Tech:** Python, Splunk, IMAP
- Automated phishing detection pipeline with Splunk dashboards & alerts

EXPERIENCE

Cybersecurity Intern (InlighnTech) — **May 2025 — Present**

- Built Python/Bash tools for **network scanning, subdomain enumeration, and exploit simulation**, improving repeatability of penetration tests
- Developed a **DNS Enumeration utility** to extract A, AAAA, MX, TXT, SOA records
- Implemented a **PDF encryption tool** for secure document handling
- Simulated SSH/FTP brute force & reverse shell attacks to analyze API security risks
- Conducted packet inspection with Wireshark to study malicious payload delivery

SKILLS & CERTIFICATIONS

Certifications	IBM Certified Cybersecurity Analyst
Languages	Python, JavaScript, Java, Bash, Dart, C
Backend	Node.js, Express.js, MongoDB, REST APIs, Supabase, Flutter
Cybersecurity	Wireshark, Splunk, Burp Suite, Nmap, Subdomain Enumeration, API Security, Packet Analysis, Reverse Shells
Tools	Git, Postman, VS Code, Android Studio, Linux Terminal

AWARDS

2024 — 8th Rank in Semester 3 (B.Tech CSE - Cyber Physical Systems); Meritorious Award, Dept. of CSE