Piyush Jha

piyushjha1625@gmail.com | +91 9717099088 | LinkedIn | Portfolio | GitHub | Codolio

EDUCATION

JAYPEE UNIVERSITY OF ENGINEERING AND TECHNOLOGY
B. Tech IN Computer Science and Technology
May 2027 | Guna
CGPA: 8.19

MATA KASTURI DEVI SCHOOL
CBSE Class 12TH
Apr 2023 | Delhi
Percentage: 81.6

VISHWA BHARATI PUBLIC SCHOOL
CBSE Class 10TH
June 2021 | Delhi
Percentage: 94.3

COURSEWORK

UNDERGRADUATE
Object Oriented Programming
Operating Systems (Linux, Windows)
Data Structures and Algorithm
Computer Networks
Relational-DBMS (SQL)

TECHNICAL SKILLS

Languages and Framework
- C/ C++, Java, SQL, Python
- Flask

Tools and Software
- Android Studio
- Git/GitHub
- Kali Linux/Ubuntu

Hard Skills
- Problem Detection in Systems
- Network Device Monitoring
- Vulnerability Assessment

Soft Skills
- Problem Solving
- Team Collaboration
- Competitive Programming
- Agile Development/Testing

WORK EXPERIENCE

CONSILIO INTELLIGENCE RESEARCH LAB | ANDROID DEVELOPER
May 2025 – July 2025 | Noida, Uttar Pradesh
- Developed and deployed a **cross-platform Android application** using Java and XML with optimized backend APIs.
- Integrated **RESTful APIs** to enable real-time data sync and improved app responsiveness by **20%**.
- Collaborated in **Agile sprints** to debug multi-device issues and enhance feature scalability.
- Reduced overall **code complexity by 20%** through modular architecture and performance tuning.

PROJECTS

THREAT IQ | Cybersecurity | Python | Risk Analysis   **LINK**
- Engineered a full-stack web-based **threat analysis system** that scans documents, executables, URLs, and archives for security risks using **automated malware detection** and **threat scoring algorithms**.
- Implemented advanced **malware and URL analysis techniques** including **hash verification, behavioural analysis, and pattern-based content recognition** for accurate threat identification.
- Integrated **real-time data visualization** and **interactive dashboards** for displaying file metadata, threat levels, and detailed analysis reports in a responsive **dark/light mode UI**.
- Enhanced **cybersecurity automation** and user experience through drag-and-drop uploads, **Flask API-based backend scanning**, and **secure file validation mechanisms**.
- **Tech Stack:** Flask, Python, PowerShell, CMD, REST APIs

NETWORK SECURITY SCANNER | Python | Cybersecurity   **LINK**
- Automated **network and system security auditing** by integrating **PowerShell** and **CMD** commands for live vulnerability detection and analysis.
- Developed **Flask REST APIs** for **real-time monitoring**, report generation, and **dashboard integration**.
- Implemented **firewall and patch compliance checks** to verify security configurations and detect missing system updates.
- Designed a **risk assessment model** to identify system misconfigurations and recommend remediation strategies.
- **Tech Stack:** Python, Flask, PowerShell, CMD, JSON, Subprocess

CERTIFICATIONS

- Advanced DSA – Coding Ninja (2023)   **CERTIFICATE**
- Digital Marketing Strategy (2024)   **CERTIFICATE**
- Ethical Hacking for Beginners (2025)   **CERTIFICATE**

ACHIEVEMENTS

- Qualified for **Smart India Hackathon 2024 (Internal Round)**
- Secured **2nd Runner-Up** in **GeekCoder 2025**