

PRITIREKHA PANDA

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 Portfolio

 GitHub

Summary

B.Tech Data Science student developing toward Cybersecurity, with academic and hands-on exposure to real-world technical systems. Open to contributing in learning-driven environments through problem solving and practical work.

Education

Bachelore of Technology

Trident Academy Of Technology

2027

Bhubaneswar, India

Skills

Core Programming: Python, C, JavaScript

Systems Networking (Foundational): Kali Linux, Nmap, Metasploit, Wireshark, OpenSSL, Burp Suite

Frontend Development: React.js, Tailwind CSS, HTML5, CSS3

Backend Cloud: Node.js, REST APIs, NoSQL (MongoDB), Google Cloud Platform

Code Quality & Performance: ESLint, Prettier, Code Splitting, Lazy Loading, Core Web Vitals

Tools: Git, GitHub, VS Code, Canva, Photoshop

Projects

Predictive Risk ML Pipeline

Developed an end-to-end machine learning pipeline for predicting student dropout risk, featuring automated data processing, model training, real-time predictions, and scalable deployment with containerized APIs. (Python, LightGBM, Pandas, FastAPI, Docker). (GitHub)

Local Network & PC Scanner

Built a Python-based tool to scan local computers and home networks for open ports, running services, connected devices, and local web servers. Automatically generates reports of network status and services, helping in system monitoring and security assessment (Python, Socket Programming). (GitHub)

API Reliability Analyzer

Developed a Python tool to monitor API uptime and performance, log response metrics, detect unstable endpoints, and summarize results for analysis. Supports improved reliability of API-based systems and helps track performance over time (Python, Requests, Pandas). (GitHub)

Personal Portfolio

Designed and developed a responsive personal portfolio website to showcase projects, skills, and certifications, featuring interactive sections and a clean, modern layout for an engaging user experience. (JavaScript, CSS, Next.js) (GitHub)

Achievements

- **BPUT Hackathon 2025:** Finalist in the university-level hackathon, collaborating with a team to develop innovative solutions.
- **Smart India Hackathon (SIH) 2025:** Participated in SIH, contributing to real-world problem-solving projects.

Certifications

- **Gen AI Academy 2.0 by Google Cloud:** Completed multi-domain program covering AI/ML, Networking, Security, Data, Serverless, and DevOps.
- **Oracle Cloud Infrastructure 2025:** Certified Generative AI Professional.
- **Cisco Networking Academy:** Introduction to Cybersecurity.