

# PRITIREKHA PANDA

+91 9692362582 | Bhubaneswar, India

 [pritirekhapanda06@gmail.com](mailto:pritirekhapanda06@gmail.com)

 [linkedin.com/in/pritirekhapanda](https://www.linkedin.com/in/pritirekhapanda)

 Portfolio

 GitHub

## Summary

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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

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### Bachelore of Technology

*Trident Academy Of Technology*

**2027**

*Bhubaneswar, India*

## Skills

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**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

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### End-to-End ML Pipeline

Implemented a complete machine learning workflow for tabular data, including data cleaning, feature engineering, model training, hyperparameter tuning, and evaluation. Generated reproducible results with detailed visualizations to analyze patterns and model performance (Python, Jupyter, Pandas, Scikit-learn). (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 personal portfolio website to showcase projects, skills, and certifications. Includes responsive design, interactive sections for projects, and a clean professional layout (JavaScript, CSS, Next.js) (GitHub)

## Achievements

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- **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

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- **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.