

Pranil Shrestha

Software Developer | Cybersecurity Enthusiast

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PROFILE

Full-stack developer with strong expertise in **Python, Django**, and the **MERN stack**. Passionate about building scalable, secure, and high-performance web applications. Experienced in backend development, system architecture, and cybersecurity practices. Proven ability to lead and deliver robust software solutions.

PROFESSIONAL EXPERIENCE

Cynical Technology, NodeJS Developer 🌐 May 2025 – present

- Enhanced legacy React/Node.js app: fixed bugs, improved UI, and added features. Developed and documented new REST APIs.
- Managed deployment (PM2, Nginx, SSL, subdomains).
- Sole backend developer for NestJS-based dark web monitoring platform.
- Collaborated with the security team during VAPT to improve system security.

Geek Tech Solutions, Backend Developer 🌐 Dec 2024 – Apr 2025

- Built scalable Cafe POS backend; improved performance by 40% using Redis caching and Docker.

Invisible Technology, AI Trainer (Fullstack Developers) - Contract 🌐 Mar 2025 – present

- Wrote unit tests in Python(unittest) to validate system logic and ensure functional reliability.
- Reviewed code contributions to maintain code quality and adherence to best practices.
- Provided feedback to improve implementation consistency.

Yuwasoft, Fullstack Developer (Freelance) 🌐 Jun 2024 – Dec 2024

- Developed backend systems with MERN and Django, reducing response times by 20%.
- Optimized database queries, improving application performance by 20%.

SELF LEARNING

Cybersecurity Practice, TryHackMe Platform

Practiced cybersecurity basics via 20+ TryHackMe rooms (Nmap, Burp Suite, Wireshark, OWASP Top 10).

SKILLS

Backend: Django, Django REST, Django Channels, NodeJS, Express, Flask, Nest

Frontend: React, Typescript, Javascript, Jinja Templating, Zustand, Next

Tools: Git, Docker, PM2, Nginx, GitHub Workflows, JWT, Redis, Burp Suite, Wireshark, Nmap

Database: MySQL, PostgreSQL, Oracle, MongoDB

Soft Skills: Leadership, Communication, Attention to Detail, Curious & Continuous Learning, Analytical Thinking

CMS & Platforms: Familiar with PayloadCMS (Headless CMS), Vercel, AISDK

PROJECTS

News Byte Feb 2025 – present

Built a full-stack web application that scrapes articles from multiple news websites, summarizes them using **TF-IDF** and **TextRank** algorithms, and stores the results in a **PostgreSQL** database.

- Built full-stack app scraping & summarizing news (TF-IDF, TextRank).
- Tech: Next.js, NestJS, Python, PostgreSQL, Prisma, Docker, Jest, Vercel.
- Developed custom scrapers with cronjob and deployed frontend on Vercel; backend in Docker.
- Wrote Jest tests for API reliability.

ShareSansarDataScape 🌐 Mar 2024 – present

- Created a **Scrapy**-based tool for daily market data collection, automating updates for timely insights.
- Integrated **GitHub Workflows**, ensuring consistent and accurate data updates.

EDUCATION

Bachelors in Computer Application, Samriddhi College 2022 – present

AWARDS

1st Runner-Up Intra College Hackathon, Samriddhi College 03 Sep 2024