PRAMOD PRAKASH JADHAV

AI-Augmented SOC Analyst | Security Operations | Python & Machine Learning

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PROFESSIONAL SUMMARY

Results-driven Security & AI professional with 12+ years of hands-on SOC and physical security experience across Tier-III critical data centres and Fortune 500 client sites. Currently enhancing AI capabilities through the Applied AI & ML Essentials programme at IIT Patna (Vishlesan i-Hub). Uniquely positioned to bridge traditional security operations — CCTV surveillance, access control, and incident response — with Python-based anomaly detection, machine learning-driven threat analytics, and AI automation. Seeking AI-Augmented SOC Analyst, Security Data Analyst, or Cybersecurity Analyst roles where domain expertise and machine learning skills combine to deliver smarter threat intelligence.

CORE SKILLS

Security Operations: SOC Operations, CCTV Surveillance (100+ feeds), Incident Response, Access Control (Solus), Threat Escalation, Compliance Reporting

Machine Learning / Data: Anomaly Detection, Exploratory Data Analysis (EDA), Feature Engineering, Log Analysis, Pattern Recognition, Data Visualization

Soft Skills: Shift Leadership, Emergency Response, Vendor Coordination, Documentation, Cross-Team Communication

AI / Python: Python, Pandas, NumPy, Scikit-Learn, Isolation Forest, Logistic Regression, Streamlit, Flask, Jupyter Notebooks

Generative AI / LLM Tools: LangChain, FAISS, Retrieval-Augmented Generation (RAG), Google AI Studio, Prompt Engineering, GitHub Copilot

PROFESSIONAL EXPERIENCE

Security Operations Officer (DGR)
Oct 2025 – Present

AP Securitas Pvt. Ltd. — Godrej IT Park, Mumbai

- Enforce strict access-control and surveillance protocols across a high-footfall corporate IT park environment.
- Apply machine learning concepts to identify access anomalies and security incident patterns.
- Develop Python automation scripts to flag unusual access-log patterns and reduce manual review time.

SOC Operator & Security Supervisor
2022 – 2025

SIS Security — NTT Global Data Centre (Tier-III), Mumbai

- Operated a 24/7 Security Operations Center using Milestone X-Protect, overseeing 100+ live surveillance feeds.
- Managed real-time incident response, vendor coordination, access-log auditing, and security alert escalation.
- Optimized Solus access-control workflows, reducing unauthorized access violations by 30% while maintaining 100% system uptime.
- Identified recurring intrusion patterns through manual log analysis, later enhanced using Python anomaly detection.

Operations Supervisor — MEP Infrastructure
Sept 2020 – 2022

MSRDC Undertaking — Mulund LBS Toll Plaza, Mumbai

- Managed daily workflows and monitored team productivity.
- Ensured compliance reporting and coordinated with MEP vendors.
- Maintained zero-downtime SLA across critical infrastructure.

Corporate Security Guard & Team Lead *2016 – 2020*

SIS Security / NISA — Accenture, TCL, MCX

- Delivered comprehensive security services for major corporate clients including Accenture, TCL, and Multi Commodity Exchange.
- Led CCTV audits, access-point management, and emergency evacuation drills.
- Maintained a zero-incident compliance record.

TECHNICAL PROJECTS

Security Log Anomaly Detection System

Technologies: Python, Pandas, Scikit-Learn, Isolation Forest, Streamlit

- Analyzed 50,000+ access-log records to detect suspicious login patterns using unsupervised machine learning.
- Flagged 12 confirmed anomalous patterns matching real security incidents.
- Built an interactive Streamlit dashboard for SOC analysts, significantly reducing manual log review effort.

AI Content Creator — RAG Pipeline

Technologies: Python, LangChain, FAISS, Qwen 2.5, Jupyter

- Built a fully local Retrieval-Augmented Generation (RAG) pipeline for privacy-sensitive educational queries.
- Integrated FAISS vector search with LangChain retrieval.

BankBeES Stock Price Predictor

Technologies: Python, Random Forest, Pandas, Scikit-Learn

- Trained a Random Forest regression model to predict daily closing prices for Bank Nifty BeES ETF.
- Performed feature engineering on OHLCV market data and evaluated performance using RMSE and trend comparison.

Data Privacy & PII Detection System

Technologies: Python, Pandas, Logistic Regression, Scikit-Learn

- Classified enterprise datasets for seven types of Personally Identifiable Information (PII).
- Supported GDPR and DPDP compliance audits; achieved strong predictive accuracy through EDA-driven feature selection.

EDUCATION

Applied AI & ML Essentials

IIT Patna (Vishlesan i-Hub) | 2025 – 2026

NCVT Fitter

Siemens Ltd., Thane | Score: 73.46%

ITI Fitter

ITI Mulund, Mumbai | Score: 73.15%

HSC and SSC

Mumbai Board | 2010 and 2008

CERTIFICATIONS

- Basic Security Operations — NISA Security
- Fire Safety & Emergency Response — SIS
- First Aid Training — TSDC Siemens Ltd.
- CNC Lathe Programming — Mulund ITI

ADDITIONAL INFO

Languages: English, Hindi, Marathi

Location: Thane, Mumbai, India (Open to Relocation)

Interests: AI in Cybersecurity, Threat Intelligence, Anomaly Detection