

PEEYUSH TIWARI

AI ENGINEER · PYTHON DEVELOPER · ANDROID DEVELOPER

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PROFESSIONAL SUMMARY

Pre-final year BCA student at IGNTU (Central University) with hands-on experience in AI/ML, Python, Android (Kotlin), and full-stack project delivery. Built real-world systems including an AI Face Recognition Attendance System, a Binance Futures Trading Bot, and an AI Law Enforcement Intelligence Platform. Passionate about solving practical problems through intelligent automation, LLM API integration, and agentic AI workflows.

EXPERIENCE

Python Developer Intern 2025 – 2026

Primetrade.ai

- Developed a fully automated Binance Futures Testnet trading bot in Python using python-binance, Typer & Rich
- Implemented real-time market data streaming, order execution, and position management via Binance API
- Built risk management features: stop-loss, take-profit, and dynamic position sizing logic
- Submitted complete project with documentation on GitHub as a production-ready portfolio piece

AI Project — Face Recognition Attendance System 2024 – 2025

Self-Initiated

- Built an AI-driven attendance system using face detection & recognition with Python and OpenCV
- Real-time identification to automatically mark attendance, reducing manual errors significantly
- Ensured secure, contactless tracking with high accuracy under varied lighting conditions

KEY PROJECTS

Rakshak AI — Safety & Emergency Response Web App 2025

Self-Initiated | React + Vite + Zoho Catalyst

- Designed and developed an AI-powered emergency response web app using React and Vite
- Integrated Gen AI APIs for dynamic, context-aware safety assistance and emergency guidance
- Independently debugged and resolved a non-trivial Zoho Catalyst deployment pipeline (pre-build dist/ locally)

CrimeIQ Intelligence Platform — AI Law Enforcement Tool 2025 – 2026

Self-Initiated | Agentic AI

- Built a bilingual (Hindi/English) AI-powered conversational platform for law enforcement use cases
- Integrated crime data visualization, analytics dashboard, and natural language query interface
- End-to-end prototype demonstrating agentic AI application in public safety

Automated AI/ML Lesson Delivery — Telegram Bot 2025

Self-Initiated | n8n + Groq + Gemini API

- Built an n8n workflow for automated daily AI/ML lesson delivery to Telegram channel
- Integrated Gemini API for content generation; switched to Groq API as fallback after quota limits — demonstrating resilient API design
- Fully automated pipeline with scheduling, webhook triggers, and zero manual intervention

Campus Emergency & Utility Directory — Android App 2025

IGNTU 4th Semester Project | Kotlin + Firebase

- Built a full-featured campus utility app in Kotlin using MVVM architecture, Material Design 3, and Firebase
- Features: emergency contacts, campus map, event board, lost & found, and real-time notifications
- Submitted with a 60-page formal project report as official academic deliverable

AI Collections Intelligence System — Geldium 2025

Agentic AI | SHAP + Gradient Boosting

- Designed agentic AI pipeline for automated collections with risk scoring via gradient-boosted models
- Implemented SHAP explainability to make AI decisions interpretable for non-technical stakeholders
- Designed responsible AI guardrails ensuring ECOA/FDCPA regulatory compliance

TECHNICAL SKILLS

Languages	Python · Kotlin · Java · JavaScript · C/C++ · SQL
AI / ML	Machine Learning · OpenCV · Face Recognition · LLM API Integration · SHAP Explainability
Gen AI & Tools	Gemini API · Groq API · n8n Workflows · Agentic AI · Prompt Engineering
Android	Kotlin · MVVM · Material Design 3 · Firebase · Android Studio
Web & Deploy	React · Vite · Zoho Catalyst · Git / GitHub
Data	Pandas · NumPy · Statistics · Data Preprocessing · Binance API

EDUCATION

Bachelor of Computer Applications (BCA) — Computer Science 2024 – 2027

Indira Gandhi National Tribal University (IGNTU), Amarkantak · Central University

- Currently in 5th Semester (Pre-Final Year)

Class XII — Computer Science 2022 – 2024

Kendriya Vidyalaya

- Grade: A+

CERTIFICATIONS & COURSES

- CS50x — CS50's Introduction to Computer Science, Harvard University
- IIT Bombay TrustEdge — AI Ethics & Trust (In Progress)
- NPTEL / SWAYAM — Data Structures and Algorithms
- Internshala — Python & Machine Learning Trainings

Open to Internships & Collaborative Projects | English (Professional) | Hindi (Native)