

PRINCE KUMAR PRAJAPATI

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PROFESSIONAL SUMMARY

Software Developer with a strong foundation in data structures, AI/ML integration, and multi-chain Web3 systems. Experience building end-to-end production platforms, including a real-time AI-powered proctoring system with sub-second grading, an agentic AI outreach engine built on Google ADK, and a cross-border Web3 payment platform on Stellar. Technical Head at GDG GGSIPU, leading 5+ technical workshops for 800+ students. GATE 2026 qualified with an IEEE-published research paper. Seeking to apply expertise in API optimization, AI workflows, and full-stack engineering to high-impact, scale-focused engineering teams.

EDUCATION

Guru Gobind Singh Indraprastha University — B.Tech., Computer Science & Technology (Minor: AI & ML) 2023 – 2027

CGPA: 92.53%

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C/C++, Solidity

Full-Stack & Web: React, Next.js, Node.js, FastAPI, REST API, WebSocket, HTML, CSS

AI / Machine Learning: Generative AI, Agentic AI, LLM API Integration, LLM Fine-Tuning, Prompt Engineering, OpenCV, MediaPipe, YOLO

Databases & Cloud: MongoDB, PostgreSQL, Microsoft Azure, Google Cloud Platform, Docker

Web3 / Blockchain: Smart Contracts, Web3.js, IPFS, Solana, EVM, Move

Tools & Platforms: Git & GitHub, Postman, Power BI, CI/CD, Linux

PROFESSIONAL EXPERIENCE

Digital Product Intern — Oil and Natural Gas Corporation (ONGC)

Jul 2026 – Aug 2026

Oil / Gas / Petroleum

- Architected and deployed an end-to-end AI-powered online proctored assessment platform for ONGC employees using YOLOv8n, FastAPI, MongoDB (Motor), and WebSockets, cutting evaluation turnaround time from hours to under 1 second via an automated grading engine.
- Built a multimodal client-side computer vision and audio pipeline with MediaPipe FaceLandmarker and the Web Audio API, detecting 6+ cheating-behavior signals (head pose, iris gaze deviation, multi-face presence, lip movement, background talking) at sub-100ms latency.
- Designed an in-memory, discard-unless-flagged evaluation pipeline and a bidirectional WebSocket 3-strike anti-cheat engine, streaming live proctoring feeds to an Admin Command Center while cutting database storage overhead by ~90%.

Software Developer Intern — Spiralreach

Apr 2026 – Jun 2026

Digital Marketing & IT Solutions Agency

- Architected and delivered end-to-end, production-ready full-stack web applications for client projects, scaling clients' digital footprints.
- Engineered custom social automation tools and API integrations for Google and Meta Ads platforms, streamlining marketing workflows and improving campaign efficiency.
- Managed full-lifecycle deployment of client applications, including CI/CD pipeline setup and cloud infrastructure, achieving 99.9% uptime.
- Collaborated cross-functionally to translate client business requirements into robust technical specifications and scalable software.

Software Developer Intern — Lokachakra

Jun 2025 – Sep 2025

Blockchain Ecosystem – Software

- Spearheaded and architected a scalable, multi-chain smart contract auditing platform supporting Solana, Move, EVM, and non-EVM ecosystems for real-time, automated vulnerability analysis.
- Achieved 87% audit accuracy and reduced average audit time by 95%, enabling near real-time analysis for Web3 developers.

- Automated security checks and validations, making auditing 10x more affordable than traditional methods, and deployed the tool internally to accelerate dApp development.

PROJECTS

LokaAudit — Multi-Chain Smart Contract Auditing Engine

- Engineered a multi-step smart contract auditing engine with stages for source parsing, AST construction, ML-driven vulnerability analysis, and Docker-based dynamic testing, supporting Solidity and Rust contracts.
- Automated audit workflows, including context-aware scoring, test generation, and report creation.

Lume — Global Web3 Payroll Platform

- Developed a global Web3 payroll platform on the Stellar network, reducing cross-border settlement times from days to ~5 seconds and cutting transaction fees by 90%.
- Engineered a secure, non-custodial architecture with a 2-of-3 multi-sig escrow system, automated bulk payouts, and real-time DEX currency conversion.

SalesShortcut — Multi-Agent SDR System

- Built a multi-agent SDR system using Google ADK to automate lead discovery via Google Maps and personalized proposal generation.
- Integrated ElevenLabs for AI voice outreach and Gmail PubSub for real-time tracking, persisting all lead data in BigQuery.

AudiHealth — Voice Pathology Detection

- Designed a multimodal deep learning pipeline for vocal disorder detection using VGGish audio feature extraction and a custom Liquid State Machine classifier, achieving 81%+ accuracy.
- Applied SMOTE for class-imbalance handling and real-time audio signal processing, reducing diagnostic costs by 90% versus clinical methods.

Vision AI — Multimodal AI Assistant for Visually Impaired

- Engineered a multimodal AI Android app combining real-time computer vision (93%+ object detection accuracy), LLM-driven narration, and medical report parsing, with sub-1.2s response time on low-end hardware.
- Integrated Google Vertex AI Vision Model for contextual scene understanding in a latency-sensitive production deployment.

PUBLICATIONS & RESEARCH

- “MindMedix: AI Platform for Neurological Diagnosis” — IEEE Xplore, 2025 (4 authors; Mentor: Dr. Madhumita Mahapatra). Deep Learning, KNN, Image Processing.
- “Designing a Real-Time Emotion Recognition Model Using DCNN” — DTC Journal of Computational Intelligence, 2024. DCNN, Image Processing, Sentiment Analysis.

LEADERSHIP & EXTRACURRICULAR

Technical Head — Google Developer Groups (GDG), GGSIPU

- Led 5+ technical events and workshops, engaging 800+ students in hands-on development and cloud learning.

PR and Outreach — CESTA Club, GGSIPU

- Expanded community outreach 3x through strategic campaigns, increasing event participation and industry collaboration.

ACHIEVEMENTS

- Winner of 4+ hackathons at university, state, and national levels.
- Certificate of Excellence — highest overall grades in the College Department.
- GATE 2026 Qualified.

CERTIFICATIONS

GitHub Foundations (GitHub) • Oracle Cloud Infrastructure Data Science Professional (Oracle) • Oracle Cloud Generative AI Professional (Oracle) • MongoDB Atlas Certification (MongoDB) • Google Cloud Skills (Google Cloud) • Postman API Certification (Postman) • Process Mining (Celonis) • Microsoft Azure Skills (Microsoft)