

BINGI DINESH KUMAR

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PROFILE SUMMARY

Dedicated B.Tech Computer Science & AI/ML undergraduate with a strong foundation in full-stack development and cloud-based AI systems. Proven ability to architect RESTful applications and deploy scalable solutions on Google Cloud. Committed to applying engineering best practices, systematic debugging, and collaborative teamwork to enterprise-grade challenges. Experienced in Git-based workflows, cross-functional team collaboration, and adapting quickly to new technology stacks and project environments.

EDUCATION

B.Tech, Computer Science & Engineering (AI/ML) — Sanskriti University 2024 – 2028
Mathura, India · CGPA: 9.0 / 10.0 · 2nd Year

WORK EXPERIENCE

Software Development Intern · Bluestock Fintech Nov 2025 – Jan 2026

- Developed 3 JWT-secured REST API endpoints for user authentication using Node.js and Express, applying modular design patterns that reduced authentication error rates by 30%.
- Collaborated within a 4-person distributed team using Git branching workflows (feature branches, pull requests, code reviews), resolving 12 critical bugs through systematic root-cause analysis.

Data Analytics Intern · Deloitte (Virtual) Jul 2025

- Aggregated multi-source enterprise data streams into 3 comprehensive Tableau dashboards, providing stakeholders with a unified view of key business metrics.
- Applied structured data modelling principles to streamline analytical workflows, reducing manual reporting overhead and delivering a single source of truth for decision-making.

PROJECTS

IntelliPlant — RAG-Powered Industrial Knowledge AI Jun 2026

Next.js, FastAPI, pgvector, Google Cloud Run

- Engineered a multi-tier Retrieval-Augmented Generation (RAG) system with vector search over domain-specific corpora using Supabase pgvector, enabling contextual Q&A for industrial plant operators.
- Optimized embedding generation pipelines and retrieval pathways to sustain sub-500ms query response times, improving information accessibility for non-technical users.

AI Rootkit Detection System Oct 2025

Python, FastAPI, scikit-learn

- Developed a system-call telemetry pipeline in Python, integrating an Isolation Forest ML model to detect kernel-level process anomalies with tuned false-positive rates.
- Designed a modular FastAPI interface for real-time threat classification, enabling security teams to monitor and respond to suspicious activity efficiently.

Docmate — AI Multilingual Healthcare Platform Dec 2025

TypeScript, Gemini API, Ethereum

- Engineered NLP-based symptom analysis pipelines using the Gemini API, achieving 85% diagnostic accuracy across 200+ structured test cases with multilingual support.
- Integrated Ethereum smart contracts for immutable health record storage, applying object-oriented TypeScript patterns to ensure strict type safety and data integrity.

TECHNICAL SKILLS

Core Languages: JavaScript (ES2022+), TypeScript, Python, SQL, C++
Frontend / Backend: React.js, Next.js, Tailwind CSS, Node.js, Express.js, FastAPI, REST APIs, JWT Auth
Cloud & AI Tools: Google Cloud Run, Docker, Firebase, Firestore, LangChain, pgvector, RAG Pipelines
Databases: MongoDB, PostgreSQL, Supabase, Firebase Realtime DB
Systems Data Structures & Algorithms, OOP, System Design, Unit Testing, Git, Linux Shell
Fundamentals:

CERTIFICATIONS

- Google Cloud GenAI Academy APAC — Cohort 1 Finalist
- Oracle Generative AI Professional Certification
- Google AI Essentials & Startups Prototyping Specializations
- Code Vipassana Season 14 — Top 100 Leaderboard Placement

ACHIEVEMENTS & COMPETITIONS

- ET AI Hackathon 2.0 — Phase 2 Build Sprint:** Built a production-ready RAG system (IntelliPlant) for industrial knowledge retrieval.
- HackDays Delhi & Google GenAI Academy Hackathon:** National/regional finalist for developing blockchain-backed platforms and multi-agent cloud solutions under 24-hour time constraints.
- Smart India Hackathon 2025:** Advanced to National Level by designing a behavioral feature classification pipeline for phishing detection.
- Competitive Programming:** Solved 150+ problems on LeetCode, strengthening DSA and problem-solving skills.