UJJANSH SUNDRAM

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CAREER OBJECTIVE

Aspiring AI/ML Engineer with strong problem-solving skills and hands-on experience in backend development, RAG & embeddings pipelines, and scalable model-serving systems.

EDUCATION

Bachelor of Engineering in Computer Science Engineering (Hons.) 2023 – 2027
Chandigarh University, Mohali, Punjab **CGPA: 7.96/10**
Specialization: Artificial Intelligence and Machine Learning

Intermediate (Class XII) 2022 – 2023
Raj Rajeshwari High School, Surajpura, Rohtas, Bihar **Percentage: 72.8%**

EXPERIENCE

AI/ML Intern July 2026 – October 2026
TEXMiN Foundation, IIT (ISM) Dhanbad *Dhanbad, India*

- Expanded AI software testing coverage to **112 unique test cases**, adding 27 scenarios across computer vision, object tracking, and access control.
- Developed a real-time monitoring prototype integrating **5+ technologies** and designed a **6-stage AI processing architecture** for scalable video analytics and event processing.

SKILLS

Languages	Python, Go, C++, SQL
Systems	REST APIs, Microservices, FastAPI, Chi Router, Concurrency, System Design
Databases	PostgreSQL, MySQL, MongoDB, Redis, DynamoDB
AI / ML	PyTorch, TensorFlow, Hugging Face, NLP, OpenCV, Scikit-learn
Cloud	AWS (Lambda, S3), GCP, Docker, Git, CI/CD, Postman

PROJECTS

GraphXploit – Code Intelligence & Impact Analysis GitHub
Rust, Tree-sitter, SQLite, Git, LLM APIs

- Engineered Tree-sitter AST indexing, SQLite-backed dependency graphs, and Git-diff impact tracing across 6 programming languages.
- Benchmarked 1,000-file repositories: 15.80s initial scan vs. 0.17s unchanged rescan; built bounded-context retrieval and approval-gated AI workflows.

Go DynamoDB – Cloud-Backed REST API GitHub
Go, Chi, AWS DynamoDB SDK, UUID, Ozzo Validation

- Developed REST endpoints for DynamoDB-backed CRUD operations, UUID-based resource lookup, and health monitoring.
- Implemented request validation and environment-driven configuration; documented positive and negative API tests using Postman.

ArchRivet – AI-Assisted Architecture Reviewer GitHub
Python, FastAPI, MCP, Pydantic, PyTorch

- Built an MCP-integrated reviewer with 8 backend reliability checks, evidence-linked findings, missing-information detection, and workload estimation.
- Validated the implementation with 200 automated tests; evaluated experimental LLMs on synthetic and regression cases to identify generalization failures.

ACHIEVEMENTS

- **Hack-O-Octo 2.0 (2025)** – Winner
- **KPIT Sparkle (2024)** – Semi-Finalist
- **LeetCode** – 250+ solved, 1600+ rating
- **IIT Ropar GenAI Hackathon** – Finalist
- **Hacktoberfest (2025)** – Super Contributor
- **Codeforces** – 1063 rating

LEADERSHIP & CERTIFICATIONS

- **Google Campus Ambassador**
- **IBM** – Machine Learning (2025)
- **Microsoft Azure AI-900** – AI Fundamentals
- **NPTEL, IIT Roorkee** - Data Analytics with