UJJWAL KALA

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Experience

ClickPe (YC'23) — **Bangalore, Karnataka (On-site)**
Engineering Intern — *December 2025 - Present*
- Integrated the platform onto the **ONDC** network and automated marketing workflows using **n8n**, enhancing operational efficiency.
- Optimized the Loan Origination System by resolving crucial bugs and integrated **3+ vendors** for the government document verification system, implementing caching to reduce latency.

Plone Foundation — **Remote**
Open Source Contributor — *February 2024 - Present*
- Led feature development and bug fixes through **7 accepted PRs** across 4 core repositories, delivering 3 new features and 4 critical bug fixes validated by core maintainers.
- Authored a production-grade documentation template that cut setup time by **80%**. Co-presented this feature at **World Plone Day 2024**.
- Strengthened **plone.api** by eliminating boilerplate code and fixed CI pipelines for the documentation engine.

Aveti Learning Pvt Ltd — **Bhubaneshwar, Odisha**
Software Development Intern — *August 2023 - February 2024*
- Led development for **10+ RESTful APIs** in a microservices architecture, achieving **95% uptime**.
- Reduced operational costs by **20%** by implementing a serverless logging workflow using **AWS Lambda**.

Projects

sqdfs | *C, VFAT, Distributed Systems*
- Engineered a secure distributed file system in **C** from scratch based on the **VFAT** architecture, implementing core file operations and secure data movement logic.

rayPong | *C/C++, Raylib* 🔗
- Developed a low-latency Pong clone in **C** using hardware-accelerated rendering, featuring a deterministic physics engine and an adaptive AI opponent.

kadenceTextEditor | *C, ASCII* 🔗
- Built a dependency-free text editor in **C** with efficient buffer management, low-level terminal I/O manipulation, and **Vim**-like functionality.

Chowkidaar | *Python, Discord.py* 🔗
- Deployed a Discord bot serving **100+ daily users** to automate progress tracking for a coding challenge, integrating external APIs with **zero downtime**.

Technical Skills

Languages: Python, C, C++, SQL, Bash, Javascript, TypeScript
Frameworks & Libraries: Zope, Plone, Raylib, n8n
Tools: Git/Vim, AWS Lambda, NGINX, LAMP, Alembic, GitHub Actions, MongoDB, PostgreSQL, Linux.
Concepts: OOP, Computer Networks, Database Design, API Design, RESTful Principles, Microservices

Achievements and Talks

- **World Plone Day 2025** (10th April 2025) - Delivered a **talk** on authored feature along with co-author *Steve Piercy* titled **Triple D: Documentation Driven Development**.

Education

IIIT Bhubaneshwar — **Bhubaneshwar, Odisha**
*Bachelor of Technology in **Information Technology*** — ***August 2023 - June 2027***
CGPA: 8.37 (till 4th Semester)