

# SARBANANDA TAW

| (+91) 97073 81332 | [sarbananda.taw@icloud.com](mailto:sarbananda.taw@icloud.com) | [LinkedIn](#) | [GitHub](#) |

## WORK EXPERIENCE:

- **IT Operations & Admin Intern | Project X (Startup), Jaipur | Dec 2023 - Jul 2024**
    - Implemented internal software tools and SOPs, improving operational efficiency.
    - Managed Google Workspace accounts, reducing costs and improving data security.
    - Set up workstations, configured security, and handled IT support for teams.
    - Documented IT workflows using Notion and Miro.
    - Mentored interns and managed IT project delivery using ClickUp.
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## EDUCATION:

- Bachelors of Computer Applications | Lovely Professional University | 2020 - 2023 | 73.4%
  - Masters of Computer Applications | Amity University, Noida | 2025 - 2027 | Ongoing
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## PROJECTS:

- **CryptoDemos - Cryptography Web App | Apr 2023**
    - Built an interactive Python Streamlit app to demonstrate AES, Vernam & Feistel hybrid encryption.
    - Integrated encryption logic into an interactive front-end.
    - Github Repository: [Github Repository](#)
    - Live Application: [Live Application](#)
  - **Parkwise: Smart Parking System | Jul 2025**
    - Developed a cost-effective, IoT-based smart parking system prototype (proof-of-concept).
    - My role focused on hardware design and implementation, including sensor integration and precise wiring.
    - This experience demonstrated the viability of low-cost hardware solutions for real-world problems.
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## PUBLICATIONS:

- **A Review of Various Symmetric Encryption Algorithms for Multiple Applications | Apr 2024**
    - Presented at ICONIC 2023 (International Conference on Network Intelligence and Computing).
    - Presented at KILBY 100 7th International Conference on Computing Sciences 2023 (ICCS 2023).
    - Published at [SSRN Research Forum](#).
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## HACKATHONS:

- **[India-Israel Hackathon 2025](#) — Finalist | Aug 2025**
    - Contributed to the development of a smart respiratory health monitoring system integrating IoT sensors, cloud analytics, and ML-based personalized baselining.
    - Led technical documentation and user experience workflow creation for the prototype and end-user interaction.
    - Supported the technical team in component acquisition and prototype assembly based on workload bandwidth availability and project requirements.
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## SKILLS:

### Technical Skills

- Python (scripting, algorithm implementation)
- Streamlit (as a demonstration of scripting and front-end deployment)
- Networking Tools
- Router Configurations on Cisco IOS

### Non-Technical Digital Skills

- Google Workspace Administration using Google
  - Documentation using tools such as Notion,
  - Project Management using tools such as
  - Networking Simulations using Cisco Packet Tracer
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## CERTIFICATIONS:

- **Google IT Support Professional Certificate | Jan 2023**
  - Gained foundational networking knowledge (TCP/IP, DNS, DHCP).
  - Hands-on experience in Linux, Windows admin, and troubleshooting.