Ayata Incorporation: Pioneering Digital Transformation in Nepal and Beyond

Ayata Incorporation has emerged as a cornerstone of technological innovation in Nepal, driving digital transformation across healthcare, education, and financial sectors since its inception. Founded with a vision to empower communities through accessible technology, Ayata has developed groundbreaking platforms like Medicord for blockchain-based health records, Avyaas for interactive education, and Aura for maternal health tracking. With strategic partnerships spanning global organizations such as the World Health Organization (WHO) and major Nepali banks, Ayata bridges the gap between rural populations and digital literacy while expanding its footprint through subsidiaries like Ayata Intelligence and AyataCommerce. This report explores Ayata's organizational structure, technological contributions, challenges in scaling impact, and future roadmaps for fostering inclusive growth in South Asia's evolving tech landscape.

1.

1.1

Ayata Incorporation was established in Nepal with the mission to "reimagine digital information and technology usage" by leveraging core strengths in information and communication technology (ICT)[1](https://ayata.com.np/about.php). Co-founded by Ronesh Shrestha and led by CEO Abhisek Mahat, CTO Adarsh Bajagain, and COO Amresh Subedi, the company prioritizes solving real-world problems through scalable digital solutions[1](https://ayata.com.np/about.php)[3](https://np.linkedin.com/company/ayata-inc). Its founding philosophy centers on democratizing access to technology, particularly for Nepal's rural majority, where over 80% of the population resides outside urban centers[2](https://ayata.com.np). By aligning with global trends in mobile penetration (exceeding 100%) and internet adoption (63%), Ayata positions itself as a catalyst for Nepal's transition into a digitally empowered society[2](https://ayata.com.np).

2.1

Ayata's healthcare innovations aim to digitize Nepal's fragmented medical infrastructure. Medicord, a blockchain-secured health records platform, replaces physical documents with interoperable digital profiles, enabling seamless data sharing among hospitals like Dhulikhel Hospital and Kathmandu Medical College[2](https://ayata.com.np)[10](https://ayata.com.np/services.php). Currently in development, Medicord emphasizes patient privacy and data security, addressing Nepal's lack of centralized health

databases[3](https://np.linkedin.com/company/ayata-inc). Complementing this, Aura—a mobile application—tracks menstrual cycles, pregnancy milestones, and maternal health indicators, providing personalized insights to women in remote areas[3](https://np.linkedin.com/company/ayata-inc). These tools align with WHO's digital health guidelines and have garnered partnerships with ASHA Japan and Rutgers University for field testing[1](https://ayata.com.np/about.php)[2](https://ayata.com.np).

2.2

Avyaas represents Ayata's flagship educational initiative, designed to enhance digital literacy through interactive learning modules. The platform offers 3D visualizations of complex concepts, practice exams, and peer-to-peer knowledge sharing, targeting Nepal's student population[2](https://ayata.com.np)[6](https://ayata.com.np/works.php). By collaborating with institutions like Kyorin University and the University of Tokyo, Avyaas integrates globally recognized pedagogical methods into localized content, bridging gaps in STEM education accessibility[2](https://ayata.com.np)[10](https://ayata.com.np/services.php). User reviews highlight a 5.0★ satisfaction rating, attributed to its intuitive UI/UX and offline functionality for low-connectivity regions[10](https://ayata.com.np/services.php).

2.3

In partnership with Siddhartha Bank, Nepal Investment Bank, and Global IME Bank, Ayata develops customized banking software to streamline operations and enhance customer engagement[1](https://ayata.com.np/about.php)[2](https://ayata.com.np). Their solutions include mobile banking apps with vernacular language support and fraud detection algorithms tailored to Nepal's regulatory environment. Additionally, Ayata promotes financial inclusion via agent banking platforms that enable rural residents to perform transactions without physical bank branches[2](https://ayata.com.np)[4](https://rooster.jobs/18183). These efforts align with Nepal Rastra Bank's vision for a cashless economy, leveraging Ayata's expertise in scalable fintech architectures[4](https://rooster.jobs/18183).

3.

3.1

Ayata's development team employs agile methodologies, utilizing frameworks like Flutter and Jetpack Compose to build cross-platform applications with rapid

iteration cycles[3](https://np.linkedin.com/company/ayata-inc)[4](https://rooster.jobs/18183). The company emphasizes modular system design, ensuring that solutions like Medicord can integrate with legacy healthcare IT systems through API-first architectures[6](https://ayata.com.np/works.php)[7](https://ayataintelligence.com). Code reviews and continuous integration pipelines maintain high standards, evidenced by accolades in UI/UX design from professional communities[2](https://ayata.com.np)[6](https://ayata.com.np/works.php).

4.1

Ayata's clientele spans multinational organizations, reflecting its capacity to deliver enterprise-grade solutions. The World Health Organization (WHO) collaborates on digitizing disease surveillance systems, while the World Wide Fund (WWF) utilizes Ayata's geospatial analytics for conservation projects[2](https://ayata.com.np)[10](https://ayata.com.np/services.php). In the financial sector, Nepal's top banks rely on Ayata for core banking upgrades, transaction security, and customer relationship management (CRM) tools[1](https://ayata.com.np/about.php)[2](https://ayata.com.np). These partnerships validate Ayata's technical proficiency and adaptability to diverse regulatory environments.

5.1

Despite Nepal's progress in mobile connectivity, rural areas face persistent barriers: limited internet access, low digital literacy, and infrastructural gaps. Ayata's initiatives, such as offline-enabled apps and community training programs, aim to mitigate these challenges but require sustained investment[2](https://ayata.com.np)[4](https://rooster.jobs/18183). For example, Avyaas's 3D modules are optimized for low-bandwidth environments, while Medicord's blockchain architecture reduces dependency on continuous connectivity[2](https://ayata.com.np)[3](https://np.linkedin.com/company/ayata-inc). However, scaling these solutions demands collaboration with government agencies and NGOs to subsidize device costs and expand broadband coverage[4](https://rooster.jobs/18183).

5.2

As a for-profit social enterprise, Ayata balances revenue generation with developmental goals. While client projects and software licensing provide steady cash flow, R&D for projects like Aura relies on grants from organizations like USAID and ASHA Japan[1](https://ayata.com.np/about.php)[10](https://ayata.com.np/services.php). The company's 2023 financial reports indicate a 40% revenue increase YoY, yet long-term sustainability hinges on securing venture capital for market expansion[9](https://find-and-update.company-information.service.gov.uk/company/10449426)[10](https://ayata.com.np/services.php). Ayata's upcoming Series A funding round targets $5M to scale Medicord's deployment across South Asia, reflecting investor confidence in its healthtech vertical[3](https://np.linkedin.com/company/ayata-inc)[7](https://ayataintelligence.com).

6.

6.1

Ayata plans to launch an AI-powered chatbot integrated with Medicord, enabling patients to query medical records and receive diagnostic suggestions via natural language processing[3](https://np.linkedin.com/company/ayata-inc)[7](https://ayataintelligence.com). Concurrently, Avyaas will introduce adaptive learning algorithms that personalize content based on student performance metrics, a feature developed in partnership with Kathmandu University's AI lab[3](https://np.linkedin.com/company/ayata-inc)[10](https://ayata.com.np/services.php). These advancements align with Ayata Intelligence's research into federated learning models, which train AI systems on decentralized data without compromising privacy[7](https://ayataintelligence.com).

6.2

Geographically, Ayata aims to establish offices in Bangladesh and Sri Lanka by 2026, leveraging Nepal's success as a blueprint for neighboring markets[4](https://rooster.jobs/18183)[8](https://ayatacommerce.com/about-us/). Politically, the company advocates for stronger data protection laws in collaboration with Nepal's Ministry of Communication, seeking to standardize health data interoperability and cybersecurity protocols[3](https://np.linkedin.com/company/ayata-inc)[10](https://ayata.com.np/services.php). Internally, Ayata prioritizes talent development through internships and partnerships with engineering colleges, cultivating a pipeline of skilled developers versed in AI and blockchain

technologies[3](https://np.linkedin.com/company/ayata-inc)[4](https://rooster.jobs/18183).

TEAM MEMBERS:

Employees range from 20-50. Location is located at Anamnagar, Kathmandu. Has main projects points for Asha in fields like LIkhu Municipality(which is in Ramechaap) and also Gadhwa (Rajpur). Ayata grooms employees very well by leaving them with very high flexibility which allows them to develop into world class coders in their own fields.
The current CEO and CTO of Ayata are Abhisekh Mahat and Aadarsha Bajgain, and they live in Panauti and Dhulikhel respectively.

Conclusion

Ayata Incorporation exemplifies how homegrown tech enterprises can drive socioeconomic progress in developing nations. By harmonizing cutting-edge innovation with grassroots needs, Ayata bridges Nepal's digital divide while exporting scalable solutions to global markets. Challenges persist in funding and infrastructure, yet strategic partnerships and a user-centric ethos position Ayata for sustained impact. Future success will depend on navigating regulatory landscapes, securing capital for R&D, and maintaining the delicate balance between profit and purpose. As Ayata evolves, its journey offers valuable insights into the transformative potential of technology when anchored in community empowerment and ethical practice.