

Curriculum Vitae

Er. Ajay Kumar Yadav, MPhil Education, MBA, BE CSE

Kathmandu, Nepal

ajayyadav.mit@gmail.com Tel.: 00977-9843623895

I am a ***Computer Science (CS) Educational Researcher*** having 15+ years of professional experience in FinTech/ EdTech and various IT projects. I worked at Multinational corporations in Nepal, India, USA, and Finland. I worked in project inception, planning, execution, and closure for both fixed and variable cost-based projects. I write blogs about educational training and experiences. My skills are:

- Primary educational researcher.
- Teachers Trainings
- Computer Science curriculum Development with evidence based research.
- Quantitative and qualitative data collection and analysis.
- Software Project Management / Project Development

Medium Blog URL: https://medium.com/@ajayyadav.mit

Linkedin URL: https://www.linkedin.com/in/ajay-yadav-7459073/

Involved in Curriculum Development:

- Education Department of KTM Nagarpalika: Curriculum Development for subject: "Coding and AI" [Aug, 2026]
- **CSTA** Curriculum Reviewer for PK-12 Education [Jan 2025 to Mar 2026]
    - https://csteachers.org/pk12standards/about/acknowledgements/
- Computer Science Roster Committee, CDC, Nepal. [2024]

Training Provided:

- TECSES: Artificial Intelligence training at Mid-West University/ Training of Trainers/ Online Teachers Training, Karnali Province, Surkhet, Nepal [2026]
- Artificial Intelligence for Managers: Aviation Safety Campaign, Nepal [2026]
- Artificial Intelligence for Researchers: Management Association of Nepal [2026]
- UBL training at Pokhara University, Kathmandu University [2024, 2025]

Academic Qualifications

Degree	Year	University
M.Phil. in Education	2024	Tribhuvan University, Nepal
Master in Business Administration	2020	Vellore Institute of Technology, India

Bachelor in Computer Science Engineering	2006	Manipal Academy of Higher Education, India
HSEB	2001	National School of Science, Nepal
SLC	1999	Himalaya Vidya Mandir, Nepal
Additional Courses Vedic Karmakanda (Sanskrit)	2026	 Valmeeki Vidyapeeth, Kathmandu
LLB - 1st Year	2026	Nepal Open University (Discontinue)

Published Articles

1. Designing a Student-Centric Computer Science Curriculum: Published in "Vol. 7 No. 2 (2025): International Journal of Computer Science Education in Schools" DOI: https://doi.org/10.21585/ijcses.v7i2.235

2. Analyzing Computer Science Curricula in Nepal's Secondary Schools[2025], Published in "Byabasthapan Journal". ISSN: 2795-1677

3. M. Phil Thesis: A Study on the Adequacy and Appropriateness of Computer Science Curricula in Nepali Secondary Schools. [2024] DOI:10.13140/RG.2.2.11358.34885

Reviewer of Journal Articles

Web of Science: https://access.clarivate.com/login?app=wos

1. Peer Review and Assessment: Improving Software Engineering Education: Insights from Multiple Survey Studies. [2025]. ACM Transaction on Computing Engineer Journal. EISSN:1946-6226

2. Developing a blended work-integrated learning model (B-WIL) enhancing global university-industry collaboration at the curricular level. [2025]. Journal of Interactive Media in Education. E-ISSN: 1365-893X.

Professional Key Experience:

1. **Worked as the "ICT National Consultant" at TECSES (Finland Educational Company)**
   Provided AI Educational Training.
   Assessment and update of the Government Educational IT Systems.
   Blogs about experiential field visit with capture image and video editing.

Presently working as Director for Management Innovation, Training and Research Academy (MITRA) Pvt. Ltd.
Conducting Research Study for educational projects.
Developing AI Training plans for educators, professionals.

2. **North Star Developer's Village: Aug 2022 to Feb 2026 as a Senior Project Manager, Kathmandu, Nepal**

I was managing the EdTech AI integrated LMS projects. My responsibilities include:

- Managing the team members from different technologies stack- frontend, backend, database, AI engineers.
- Learning Management system used by administrator, lecturer, and students.
- Content Builder for the subject with AI integration.
- Quality Assurance of the product.
- Training to the User in the University.

We have used the OpenAI models in the Korean **Language Test** project. RAG based system to answer from the documents and included rules, policy, and example.

- Writing the System Prompt with respect to the Content Creation with Examples. Rules and Policy to guard the AI system.
- Creating the AI based Content for a specific Subject within rules and policy with specific examples.
- Creating AI based Image, and Audio for the LMS system.
- Scoring of the Handwriting answers.

3. Nepal Electronic Payment System: Apr 2021 to Apr 2022 as a Senior Officer, Kathmandu, Nepal

I managed several bank card-based financial projects. The debit and credit card transactions were authenticated through a switch-based system from several interfaces: ATM, mobile banking, digital wallets, ecommerce. My responsibilities include:

4. Release new feature for the card less transaction project rollout for several banks.
5. Project management plan with timelines and milestones for Go-live feature.
6. Coordination with the operation team to know any fraudulent activities.
7. Plan human resources for the project.
8. Coordinate with a third-party vendor for the ownership in the project.

4. Javra Software Nepal Pvt. Ltd: Jan to July 2018 as a Project Manager for Enterprise application project.

5. SRM Techsol Pvt. Ltd: July to Dec 2017 as a Project Manager for Mobile apps product.

6. Kelton Tech Solutions Ltd: Mar to Sept 2016 as a Project Manager

7. MyCityWay India Research Labs Pvt. Ltd.: Apr 2014 to Jan 2016 as a Associate Project Manager, Noida India

I managed a project for android and iOS application development. This was a startup company where I had to head the project team from various technologies to build the newer

product. Deployed applications from my team: My Lower Mainland, NY Daily News Mobile, GoDetroit. goCarolinas, icFlorida, NYC Way, GST Rate Finder (Telugu).

8. Accenture Services Pvt. Ltd.: 2006 to 2012 as a Senior Software Engineer, India/ USA

I worked at Accenture in Bangalore and Pune in India. Then I was transferred to Accenture USA in State Farm Insurance in Bloomington, Illinois, USA for two+ years on an L1 Blanket Visa. I had multiple roles in this company. I got placed from college. I represented the Quality Assurance team as an Onsite-Offshore coordinator. My key responsibilities were:

- Managing Offshore team members from Bloomington, IL to Hyderabad, India.
- Writing Manual Test Plan, Test Script, Test Execution, Test log, Defect report.
- Creating Test Data for the application.
- Test Report to the stakeholders with required metrics.
- Coordination with Business Analysts, Interface Design Specialists.
- Risks and Dependencies of projects in SF Insurance.
- System Testing, Integration Testing, Usability Testing, Pilot Testing for SF system.