

Nitish Patkar

Senior Researcher | Project Manager | Technology Consultant | Digital Sustainability Expert

Swiss C-permit

LANGUAGES

German: Business fluent English: Fluent

ABOUT ME

nitishpatkar.com

nitishpatkar@gmail.com



Ph.D. in Software Engineering with hands-on experience bridging business needs and technical delivery across software and AI-driven projects. Looking for roles where I can bridge strategy and implementation, help clients make sound technical decisions, and turn complex, evolving requirements into user friendly sustainable solutions. Focused on Digital Sustainability. Associate Member of IREB.

WORK EXPERIENCE

FHNW

Senior Researcher
Mar 2022 – Present
Brugg, CH

- **Project Leadership & Delivery.** Took at least three products from concept to working software — a green energy forecasting platform (CEEX), an AI-native project management tool (Proy AI), and a customer analytics platform (Zuriteilt). In each case, I dealt with: domain experts with a real problem, a team that needed direction, research grounding, and a deadline. Kept scope feasible, made the hard calls early, and shipped on time.
- **Coaching & Team Development.** Worked closely with junior developers and analysts — not just reviewing their output but helping them think through problems themselves. The goal was to cultivate a research mindset and always to leave the team stronger than I found it, not dependent on me to make the next call.
- **Digital Sustainability Research & Strategy.** Lead the survey team for IREB's Special Interest Group on Digital Sustainability — designed and ran an international practitioner survey, then turned the results into a public dashboard and an empirical baseline of sustainability practices in software engineering. Published peer-reviewed research on various sustainability-related topics, including on interventions that measurably shift teams toward more sustainable AI use. Also PI on an Innosuisse-funded renewable energy forecasting platform (CEEX), translating environmental and technical complexity into decisions non-experts could act on with confidence.

University of Bern
Research Assistant
Feb 2018 – Feb 2022
Bern, CH

- Coached 200+ students and early-career professionals through real software projects — from requirements to delivery.

ActiDo GmbH
Web Developer
Jan 2017 – Jan 2018
Paderborn, DE

- Built React front-ends based on UI/UX specifications.

University of Paderborn
Research Assistant
Jan 2016 – Jan 2018
Paderborn, DE

- Elicited and structured requirements with Volksbank stakeholders.
- Developed a single-page application using Angular and Django REST.

Infosys Ltd.
Systems Engineer

- Contributed to PLM development on Windchill in enterprise client environments.
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Jan 2012 – Jan 2014
Pune, IN

- Delivered enterprise web applications for Cox Communications and other telecom clients.
- Worked with distributed teams to implement and maintain production systems.

EDUCATION

2018 - 2022

University of Bern
Ph.D. Computer Science, Switzerland

2014 - 18

University of Paderborn
M.Sc. Computer Science, Germany

2009 - 2012

University of Mumbai
B.E. Computer Science, India

SKILLS

Consulting & Delivery

Requirements Engineering, Digital Sustainability,
Solution Architecture, Technical Project Management,
Stakeholder Management, Agile, Scrum

Engineering

Python, TypeScript, JavaScript, Java, React, Angular,
Django, Spring Boot

Data & AI

Data Analysis, Visualisations, LLMs,
Prompt Engineering, RAG, NLP

Research & Innovation

Applied Research, Emerging Technology Evaluation,
Innovation Management, Empirical Methods

Business Development

Project Acquisition, Funding Proposal Writing

Tools

GitHub, Jira, Confluence, Miro, Cursor, Claude, Vercel

INTERNATIONAL ENGAGEMENT & RECGNITION

- Associate Member, IREB; leads the survey team of the Special Interest Group on Digital Sustainability
- Local co-organiser, 12th International Conference on ICT for Sustainability (ICT4S), Bern, Switzerland
- Best Reviewer Award - REFSQ 2024
- Local co-organiser, 26th International Conference on Agile Software Development (XP), Windisch, Switzerland
- Co-organiser, 9th and 10th International Workshop on Crowd-Based Requirements Engineering (CrowdRE), Valencia, Spain (2025), Montreal, Canada (2026)
- Programme committee member at several international conferences and journals