

Nitish Patkar

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

Swiss C-permit

LANGUAGES

German: Business fluent English: Fluent Hindi: Fluent Marathi: Mother tongue

ABOUT ME

nitishpatkar.com

nitishpatkar@gmail.com



Ph.D. in Computer Science with hands-on experience bridging business needs and technical delivery across software and AI-driven projects. Focused on Digital Sustainability. Associate Member of IREB. 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.

WORK EXPERIENCE

FHNW

Senior Researcher
Mar 2022 – Present
Brugg, CH

- Oversaw and draw the end-to-end development of digital platforms across energy, new-age project management, and social sectors, including a green energy forecasting platform (CEEX), an AI-native project management tool (Proy), and a customer analytics dashboard (Zuriteilt), translating complex domain problems into focused, deliverable products.
- Shaped UX and product direction to make technically complex offerings accessible to real users, including designing the UI/UX layer for CEEX's forecasting platform so clients could navigate a sophisticated energy product with clarity and confidence.
- Acquired and framed applied research projects with Swiss funding agencies (Innosuisse), converting strategic and innovative ideas into scoped, budgeted initiatives and translating research into tangible business outcomes.
- Coached and mentored early-career professionals through teaching and project work, building practical skills in sustainable digital transformation and applied innovation.

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

- Supported 200+ young professionals across the full software project lifecycle with hands-on coaching.

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
Jan 2012 – Jan 2014
Pune, IN

- Contributed to PLM development on Windchill in enterprise client environments.
 - Delivered enterprise web applications for Cox Communications and other telecom clients.
 - Worked with distributed teams to implement and maintain production systems.
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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
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 organiser, 26th International Conference on Agile Software Development (XP), Windisch, Switzerland
- Co-organiser, 9th International Workshop on Crowd-Based Requirements Engineering (CrowdRE), Valencia, Spain (2025)
- Co-organiser, 10th International Workshop on Crowd-Based Requirements Engineering (CrowdRE), Montreal, Canada (2026)
- Best Reviewer Award - REFSQ 2024
- Programme committee member at several international conferences and journals