



Dr. Nitish Patkar



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Bewilligung B Familienmitglied EU/EFTA

Experienced Research Associate with a strong background in requirements engineering, digital transformation, and UX design. I am passionate about creating products that stand the test of time through ethical and sustainable design practices. My expertise spans across managing industry collaborations, guiding teams through agile methodologies, and instructing at the university level. I am eager to contribute to innovative projects within a multi-cultural team, where the human aspect of technology is prioritized.

Education

Ph.D.

2018 - 2022

University of Bern, Switzerland

M.Sc.

2014 - 2018

University of Paderborn, Germany

B.E.

2009 - 2012

University of Mumbai

Skills

- Requirements engineering
- Digital sustainability
- UX
- Innovation management
- German (business fluent),
- English (business fluent),
- Hindi (native),
- Marathi (native)
- Javascript, typescript, Python, Smalltalk
- Angular, React, Django

Activities

- Member of the special interest group on digital sustainability at international requirements engineering board (IREB)
- Programm committee member of several international conferences like REFSQ and RE, and ICT4S
- Reviewer of several international scientific journals like SoSci, RE, IST, and EMSE
- Local chair of XP2025 conference

Career summary

Research Associate

March 2022 – present

University of Applied Sciences and Arts North-western Switzerland (FHNW)

- Successfully led multiple industry collaborations, overseeing projects from problem identification to solution validation.
- Acted as an Agile Coach for Industry Projects (Semester 3 & 4 total 2 teams) and Team Coach for Internal Projects (Semester 1 total 1 team) with a focus on the Rational Unified Process (RUP).
- Co-instructed Bachelor's level courses in Requirements Engineering and contributed to the CAS program in Digitalization and Sustainability.

Research Assistant

February 2018 – February 2022

University of Bern, Switzerland

- Led the Software Engineering Project for four years, mentoring 50-60 students annually through requirements specification, prototyping, implementation, and testing phases.
- Independently instructed the Seminar in Software Engineering (BSc/MSc), where I guided more than five students in exploring research trends and developing advanced, prototypical solutions.

Web Developer

2017 - 2018

ActiDo GmbH, Paderborn, Germany

- Developed a proof-of-concept web application using React, translating provided designs into functional and responsive front-end code with HTML, CSS, and React.

Research Assistant

2016 – 2018

University of Paderborn, Germany

- Collaborated with clients from Volksbank and the university sports department to gather requirements for a sports application.
- Developed a single-page application using Angular and Django Rest Framework, providing a functional prototype for the employees at Volksbank.

Systems Engineer

2012 - 2014

Infosys Ltd., India

- Contributed to a team working on product lifecycle management (PLM) platforms, including Windchill.
- Played a key role in developing a web application for Cox Communications, a US-based client.