Nitish Patkar

Monbijoustrasse 71 | Bern CH | nitishspatkar@gmail.com | +41774641417 | nitishspatkar.github.io

Works

03/2022 - Current	**Research Associate**
	University of Applied Sciences and Arts Northwestern Switzerland (FHNW) - Brugg, CH

- Successfully led multiple industry collaborations, overseeing projects from problem identification to solution validation.

- Acted as an Agile Coach for Industry Projects (Semesters 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.

02/2018 - 02/2022	**Research Assistant**
	University of Bern - Bern, CH

- 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.

01/2017 - 01/2018	**Web Developer**
	ActiDo GmbH - Paderborn, DE

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

01/2016 - 01/2018	**Research Assistant**
	University of Paderborn - Paderborn, DE

- 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.

01/2012 - 01/2014	**Systems Engineer**
	Infosys Ltd. Pune, IN

- 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.

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Education and training

01/2018 - 01/2022	**Ph.D. - Requirements and Software Engineering** University of Bern - Bern (CH)
01/2014 - 01/2018	**M.Sc.** University of Paderborn - Paderborn (DE)
01/2009 - 01/2012	**B.E.** University of Mumbai - (IN)

Additional Qualifications

About me	Versatile researcher with a strong foundation in requirements engineering, digital transformation, and UX design, I am passionate about building products that endure through ethical and sustainable practices. My work spans managing industry collaborations, leading teams with agile methodologies, and teaching at the university level. With experience across three countries and fluency in four languages, I thrive in multi-cultural settings and enjoy traveling for work. I am driven by the process of ideation, vision-setting, and roadmapping, especially when it comes to starting innovative projects from scratch. I have a keen interest in data-driven approaches, using insights from user feedback and organizational data to refine and enhance products. I seek opportunities to contribute to projects that prioritize the human side of technology, working within diverse teams to transform new concepts into reality.
Languages	- German (B1) - English (C1) - Hindi (C2) - Marathi (C2)
Skills	- Requirements engineering - Digital transformation - Digital sustainability - UX - Innovation management - JavaScript, Typescript, Python, Smalltalk - Angular, React, Django
Other	- Member of the special interest group on digital sustainability at the International Requirements Engineering Board (IREB) - Program 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 the XP2025 conference