

Curriculum Vitae

Personal

Name	Nitish Patkar
Academic Titles	M.Sc. Dr.
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Date of Birth	21.04.1989
Nationality	Indian (Holds a valid Swiss C-Permit)
Marital Status	Married
Languages	German: B1 English: C1 Marathi: C2 Hindi: C2



Education

2018 - 2022	Ph.D. (Doctor of Philosophy) University of Bern, Switzerland Research topics: requirements engineering, domain modelling, collaborative agile development Doctoral thesis: "Supporting Multiple Stakeholders in Agile Development".
2014 – 2018	M.Sc. (Master of Science) University of Paderborn, Germany Focus points: Information and Database Systems Master's thesis: "Vision Backlog"
2009 – 2012	B.E. (Bachelor of Engineering) University of Mumbai, India

Teaching Experience

Mar. 2022 - Present	University of Applied Sciences and Arts North-western Switzerland (FHNW), as a Research associate <ul style="list-style-type: none">Co-teaching the Requirements Engineering course at the bachelor's level (FS22, HS23, FS23).
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Teaching Experience (Cont.)

	<ul style="list-style-type: none"> ▪ Co-teaching for the Certificate of Advanced Studies (CAS) in Digitalization and Sustainability (FS23). ▪ Serving as an Agile Coach in Projekt 3 and 4 Informatik, teaching in a year-long industry project (HS23, FS23). ▪ Acting as a Team Coach in Projekt 1 and 2 Informatik, teaching in a year-long internal project focused on the Rational Unified Process (RUP) (HS22, FS22). ▪ Proposing and supervising bachelor's and master's theses, guiding students through the entire process of problem identification, solution proposal, validation, and reporting.
Feb. 2022	University of Zurich, as an External expert <ul style="list-style-type: none"> ▪ Assisted Prof. Martin Glinz in correction of the exam of Requirements Engineering I course at UZH.
Mar. 2018 – Feb. 2022	University of Bern, as a Research assistant <ul style="list-style-type: none"> ▪ Supervising several bachelor's and master's theses, guiding students through the complete process of problem identification, proposing, and validating solutions. ▪ Working as a tutor and successfully conducting a semester-long software engineering project for four consecutive years. In each of these years, approximately 50 students, grouped into teams of 4-5, build a web application from scratch, with supervision provided for their progress. ▪ Working as an independent instructor for the Seminar in Software Engineering (BSc/MSc). This course explores the research landscape in the software engineering field, including state-of-the-art tools and techniques, and develops prototypical tools and techniques for various topics.

Research activities

Miscellaneous	<ul style="list-style-type: none"> ▪ Member of the special interest group (SIG) on sustainability at the International Requirements Engineering Board (IREB) since June 2024. ▪ Web chair and local organizer of XP2025 conference to be held in Switzerland.
Reviewer	<ul style="list-style-type: none"> ▪ The international ICT4S conference 2024 (PC member) ▪ International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ) 2025, 2024, 2023 (PC member)

Research activities (Cont.)

	<ul style="list-style-type: none"> ▪ The IEEE International Requirements Engineering (RE) conference, 2025, 2024, 2023, 2022 (PC member and co-reviewer with Prof. Norbert Seyff) ▪ Science of Computer Programming Journal, 2023 ▪ Empirical Software Engineering Journal (EMSE), 2023 ▪ Information and Software Technology Journal (IST), 2023 ▪ The IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER), 2020 (sub reviewer with Prf. Oscar Nierstrasz)
	<p>I have been part of and contributing to the following Innosuisse funded research projects:</p> <ul style="list-style-type: none"> ▪ CEEX (https://www.ceex.ch/) Clean Energy Exchange (CEEX) is an energy trading platform that enables private households, among others, to store, buy and sell their own sustainably produced energy among themselves. FHNW is involved in developing the frontend of CEEX where I co-lead the project. ▪ enablerr (https://www.enablerr.ch/) The enablerr Business System is developed by pier4all AG, founded in 2019 and currently based in Technopark Lucerne. The enablerr project is carried out together with HSLU since October 2020. I have supervised one student project and a bachelor's thesis within enablerr. ▪ Marianne (https://olanga.ch/#home) Olanga marketplace is an innovative digital solution to reduce food waste and food loss. I have been involved in supervising the implementation of the back-office software for the staff at Olanga AG.
Innovation projects	
Other collaborations	<ul style="list-style-type: none"> ▪ Prof. Timo Kehrer (Uni Bern) ▪ Dr. Fernando Benites, Prof. Martin Kropp, and Prof. Pieter Perrett (FHNW)
Other	<p>To check the complete list of finished and ongoing student projects and supervised theses, please check my website.</p>

Work Experience

2017 – 2018	ActiDo GmbH, Paderborn, as a Web developer <ul style="list-style-type: none">▪ Built a proof-of-concept for a web application using React. The main tasks involved implementing the provided designs into HTML and CSS, as well as writing the frontend logic with React.
2016 – 2018	University of Paderborn, as a Research Assistant <ul style="list-style-type: none">▪ Collaborated with clients at Volksbank and the university sports department to understand their requirements for a sports application. Developed a single-page application using Angular and the Django Rest Framework as a proof of concept for the employees at Volksbank.
2012 – 2014	Infosys Ltd., India, as a Systems Engineer <ul style="list-style-type: none">▪ Was a part of a team that worked on the Product Lifecycle Management (PLM) platform, Windchill.▪ Worked on building a web application for a US-based client, Cox Communications.