Curriculum vitae: Bhuwan Paudel

Name: Bhuwan Paudel
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Bhuwan Paudel is a doctoral researcher in software engineering at the Software Engineering Research Lab (SERL) at the Blekinge Institute of Technology (Sweden). He is in the second year of his PhD. His research explores the potential of Data-Driven Sustainable Software Product Development, aiming to optimize the internal software quality while continuously delivering customer value in the context of continuous software maintenance and evolution. It involves understanding and measuring the external value of software engineering organizations and integrating these insights with the internal process and product-related metrics. The goal is to balance the trade-offs between prioritizing and optimizing their resources in improving asset quality and customer value delivery. Additionally, Bhuwan's broader research interests include empirical software engineering and data-driven software maintenance, including generative AI and mining software repositories, making better and informed decisions.

Degrees:

2023-Ongoing: PhD in Software Engineering at Blekinge Institute of Technology, Sweden.
Thesis Title: "A Data-Driven Approach to Optimize Internal Software Quality and Customer Value Delivery." - Blekinge Institute of Technology (Sweden)
2019-2021: Master's degree in Informatics: programming and Systems Architecture - University of Oslo, Norway
Thesis Title: Impact of technical debt on developers' morale and productivity
2013-2017: Bachelor in Software Engineering- Pokhara University, Nepal

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Work Experience:

2023-Ongoing: PhD researcher, Blekinge Institute of Technology, Sweden
2018-2019: Head IT Assistant, Institute of Engineering, Pashchimanchal Campus, Nepal

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Teaching:

Since 2023, Teaching Assistant (TA):

- ‘Software Architectures and Quality,’ ‘Applied Cloud Computing and Big Data,’ ‘Software Engineering,’ ‘Requirements Engineering and Product Management,’ and ‘Introduction to Engineering Practice in ICT,’

Cooperation and Teamwork:

Actively engaged in research collaboration with various software development organizations in Sweden, working with a team of researchers on a project.

Publications:

Paudel, B., Gonzalez-Huerta, J., Mendez, D., Klotins, E. (2025). A Data-Driven Approach to Optimize Internal Software Quality and Customer Value Delivery. In: Pfahl, D., Gonzalez Huerta, J., Klünder, J., Anwar, H. (eds) Product-Focused Software Process Improvement. Industry-, Workshop-, and Doctoral Symposium Papers. PROFES 2024. Lecture Notes in Computer Science, vol 15453. Springer, Cham. https://doi.org/10.1007/978-3-031-78392-0_13

Paudel, B., Gonzalez-Huerta, J., Zabardast, E., Klotins, E.: Towards Measuring the Impact of Technical Debt on Lead Time: An Industrial Case Study (2024). https://arxiv.org/abs/2406.01578