

# CV - MUHAMMAD RIZWAN ALI

## PERSONALIA

<b>Fødselsdato</b>	29.11.1990
<b>Kjønn</b>	Mann
<b>Statsborgerskap</b>	Pakistan
<b>E-post</b>	mral@hvl.no
<b>Telefon privat</b>	004793999196
<b>Nåværende stilling</b>	PhD Candidate at Western Norway University of Applied Sciences, Bergen, Norway

## UTDANNING / AKADEMISKE KVALIFIKASJONER

2019-10 -	Western Norway University of Applied Sciences, Bergen, Norway - Grad: Doktorgrad Computer Science Fakultet / avdeling: Institutt for Datateknologi, Elektroteknologi og Realfag
2015-09 - 2018-02	COMSATS Institute of Information Technology, Lahore, Pakistan - Grad: Master Computer Science Fakultet / avdeling: Faculty of Information Science & Technology
2010-09 - 2014-07	Punjab University College of Information and Technology, Lahore, Pakistan - Grad: Bachelor Computer Science Fakultet / avdeling: Department of Computer Science

## ARBEIDSERFARING

2019-10 -	Western Norway University of Applied Sciences, Bergen, Norway Stilling: PhD Candidate
2018-04 - 2019-10	University of Central Punjab, Lahore, Pakistan Stilling: Lecturer
2017-03 - 2018-04	University of Central Punjab, Lahore, Pakistan Stilling: Associate Lecturer
2014-10 - 2017-03	University of Central Punjab, Lahore, Pakistan Stilling: Lab Instructor

## UNDERVISNINGS- / VEILEDNINGSERFARING

2020-08 - 2020-12	Western Norway University of Applied Sciences, Bergen, Norway Fag: Videregående webapplikasjoner
2020-01 - 2020-05	Western Norway University of Applied Sciences, Bergen, Norway Fag: Mobile og distribuerte applikasjoner
2019-01 - 2019-10	University of Central Punjab, Pakistan Fag: Formal Modeling of Aircraft Maintenance System (Bachelor project)
2018-08 - 2019-07	University of Central Punjab, Pakistan Fag: Formal Modeling & Validation of Smart Train System (Bachelor project)
2018-08 - 2019-07	University of Central Punjab, Pakistan Fag: IoT Based Irrigation and Fertilization of Crops (Bachelor project)
2018-01 - 2019-07	University of Central Punjab, Pakistan Fag: Object Oriented Analysis and Design
2018-01 - 2018-12	University of Central Punjab, Pakistan Fag: Formal Modeling and Verification for Balanced Load in On-Demand Computing (Bachelor project)
2016-08 - 2018-12	University of Central Punjab, Pakistan Fag: Data Structure and Analysis
2014-10 - 2018-12	University of Central Punjab, Pakistan Fag: Introduction to Programming
2016-08 - 2017-12	University of Central Punjab, Pakistan Fag: Programming Fundamentals
2014-10 - 2017-12	University of Central Punjab, Pakistan Fag: Object Oriented Programming

## IKT-ERFARING

<i>C++ programming</i>	Kunnskapsgrad: God
<i>Compiler construction</i>	Kunnskapsgrad: God
<i>Concurrent and parallel programming</i>	Kunnskapsgrad: God
<i>Formal modelling and verification</i>	Kunnskapsgrad: God
<i>Java programming</i>	Kunnskapsgrad: God
<i>Machine learning</i>	Kunnskapsgrad: Grunnleggende
<i>Mobile application development</i>	Kunnskapsgrad: God
<i>Python programming</i>	Kunnskapsgrad: Grunnleggende
<i>Static analysis</i>	Kunnskapsgrad: God
<i>Web application development</i>	Kunnskapsgrad: God

## PROSJEKT- / FORSKNINGSERFARING

2016-08 - 2018-01	Prosjekt: Petri Net Based Job Scheduling for Improved Resource Utilization in Cloud Computing Omfang / arbeidsmengde: Master Thesis
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## PUBLIKASJONER / VITENSKAPELIGE PRODUKSJONER

2023-01	Type: Journal Publication Tittel: Cost analysis for a resource sensitive workflow modelling language Publisering: Science of Computer Programming Grad: Doktorgrad Medforfatter(e): Yngve Lamo and Violet Ka I Pun
2021-12	Type: Conference Publication Tittel: Cost Analysis for an Actor-Based Workflow Modelling Language Publisering:

2021-10	Formal Methods: Foundations and Applications. Springer Grad: Doktorgrad Medforfatter(e): Violet Ka I Pun Type: Technical Report Tittel: Cost Analysis for an Actor-Based Workflow Modelling Language Publisering: Høgskulen på Vestlandet Grad: Doktorgrad Medforfatter(e): Violet Ka I Pun
2021-07	Type: Conference Publication Tittel: Towards a Resource-Aware Formal Modelling Language for Workflow Planning Publisering: Advances in Model and Data Engineering in the Digitalization Era. Springer Nature Grad: Doktorgrad Medforfatter(e): Violet Ka I Pun
2021-02	Type: Journal Publication Tittel: Petri Net based modeling and analysis for improved resource utilization in cloud computing Publisering: PeerJ Computer Science Grad: Master

#### **REFERANSER**

<i>Violet Ka I Pun</i>	Associate Professor Sted: Western Norway University of Applied Sciences Telefon: +47 55 58 70 84 Ka.I.Pun@hvl.no
<i>Yngve Lamo</i>	Professor Sted: Western Norway University of Applied Sciences, Telefon: +47 55 58 75 67 Yngve.Lamo@hvl.no

#### **SPRÅK**

<i>Engelsk</i>	Muntlig: Flytende Skriftlig: Flytende
<i>Urdu</i>	Muntlig: Morsmål Skriftlig: Morsmål
<i>Norsk - bokmål</i>	Muntlig: Gode kunnskaper Skriftlig: Grunnleggende kunnskaper