

# Ravindra Siwach

Project Manager, Senior Actuary, **Data Scientist** 

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ravindra-siwach

ravindrasiwach

# Technical Skills -

**Project Management** 

Agile Scrum Kanban

Stakeholder management

Strategic planning and organisation

### **Acturial Analytics & Software**

**Technical & Market Pricing** 

Leakage (TP/AP) X-Subsidy

Lapse & Retention Analysis

Competitive Benchmarking

**Profitability Analysis Telematics** 

Credibility Modelling Optimization

Reserving Reinsurance IFRS17

SolvencyII **Emblem** Classifier

Radar Akur8 Res<sub>0</sub>

#### **Data Science**

Machine Learning Web Apps Dashboarding ETL/ELT Python SQL SAS **PowerBI** Docker DevOps **MLOps** 

## **Highlights**

- Proven leader experienced in managing culturally diverse interdisciplinary teams.
- Effective communication, networking and stakeholder management skills.
- Deep knowledge and experience across personal, commercial and specialty lines.
- Actuarial pricing and data science specialist.
- Maximising Stakeholder value through data driven actionable insights.

## **Professional Experience**

#### **Pricing Actuary, Global Specialty Insurance**

Oct 2022 - Present

**Munich RE** Munich, Germany

- Develop Pricing, Portfolio monitoring and Competitive benchmarking frameworks to maintain oversight and improve profitability and market share.
- Provide Day1 pricing strategy and product support in absence of historic data for Insurtech/MGA partners to successfully launch SME products in new markets.
- Perform M&A due diligence including review and validation of rates, reserves, underwriting policies and financial projections.
- Support financial planning process for group entities/portfolios.
- Coordinate seamless data API integration for partners.

#### **Project Manager and Senior Actuary**

Oct 2018 - Sep 2022

Coloane, Germany

- Led interdisciplinary teams of actuaries and data scientists for transformation of P&C pricing and analytics landscape, migrating from legacy systems (SAS, WTW) to cloud (AWS) and implementing Python-based ML models.
- Led pricing and analytics projects for improved pricing and portfolio management.
- Engineered test-driven ETL and ML pipelines to improve accuracy and efficiency.
- Trained actuaries on Python and git to improve collaboration and technical skills.
- Developed Python data tool with reinsurance team for accurate IFRS17 reporting.

#### **Senior Consultant**

**Deloitte** 

Apr 2018 – Sep 2018

Cologne, Germany

- Led technical development of initial P&C pricing offering.
- Supported IFRS17 implementation for client through edge cases research.
- Developed R tool to analyze and validate actuarial reserves.

#### Senior Actuary and Data Scientist

Generali

Munich, Germany

Apr 2016 – Mar 2018

- Implemented peril based pricing for P&C products as lead actuary.
- Supported development of company's first telematics cars insurance product.
- Implemented SME underwriting control model to identify guideline deviations.
- Designed portfolio monitoring framework in Radar to streamline reporting.
- Trained and mentored actuaries on Emblem, Classifier, Radar, SAS and R.

### Actuary and Project Manager, Global P&C

Generali

Sep 2013 - Apr 2016

Trieste, Italy

- Developed technical price and portfolio monitoring blueprint for streamlined processes and best practice sharing amongst group entities.
- Liaised with business units to identify training and project requirements.
- Developed VBA/Excel tool to monitor performance of group entities in Europe.
- Reviewed and validated group entities' projections and plans.

#### Market Research and Business Development Analyst

**Evalueserve** 

Feb 2007 - Jul 2009

Gurugram, India

- Managed/conducted market research analytics & business development projects.

### **Senior Business Associate**

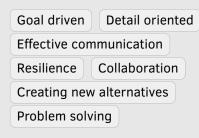
Oct 2004 - Feb 2007

Gurugram, India

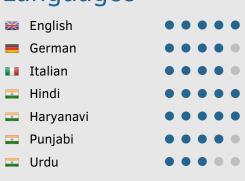
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# Soft Skills -



# Languages



## Interests

Puzzles | Modern Tech | Basketball | Languages, Dialects and Accents | Cooking | Backpacking |

### **Education**

Master in Insurance & Risk Management 2013 – 2014

- Graduated with Honours. Grade: 8.89/10.

Actuarial Exams

- CT1, 2, 3 and 7

**Bachelors in Statistics and Economics** 

2009 – 2012

2011 - 2012

- First Division

Actuarial Exam 2009

- Exam P - Probability, Grade 9/10

MIB School of Management

Trieste, Italy

**Institute and Faculty of Actuaries** 

EIILM University Sikkim, India

Society of Actuaries

Cologne, Germany

## **Trainings and Coursework**

- Agile project management using Scrum and Kanban
- Deloitte University IFRS17 bootcamp
- SAS institute training for IFRS17 software
- Process mining with Celonis Training and Hackathon
- Willis Towers Watson pricing suite
- Health Insurance Product, Pricing and Reserving
- Online courses on Programming in R, Python and Julia as well as on Machine Learning, Data Science and Data Engineering topics.

## Volunteering

Caritas

- Assisting immigrant children with English and Maths schoolwork and providing exam preparation support.

### **Awards & Achievements**

2008 - Employee Performance Award at Evalueserve.

2002 - Top 0.1% scorers in India in Social Studies (98%) and Science (99%)

2001 - School top scorer at National Mathematics Talent Competitions.

2001 - Member of school and state Basketball teams.