



Ravindra Siwach

Senior Actuary,
Data Scientist, and
Project Manager

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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
- ResQ

Data Science

- Machine Learning
- Web Apps
- Dashboarding
- ETL/ELT
- DevOps
- MLOps
- Python
- R
- SQL
- SAS
- git
- PowerBI
- Docker

Professional Experience

- Oct 2022 – Present** **Pricing Actuary, Specialty Solutions** Munich Re (Munich, Germany)
 - Supporting Insurtech partners with new product and new market launches in commercial P&C segment.
 - Setting launch prices and market pricing strategy.
 - Portfolio monitoring and competitive benchmarking.
 - Liasing with data team for API setup.
 - Actuarial due diligence for acquisition of new portfolios.
- Oct 2018 – Sep 2022** **Senior Actuary and Product Owner** Axa (Cologne, Germany)
 - Project manager and technical lead.
 - Training and mentoring actuaries and data scientists.
 - Key projects:
 - Transformation projects to move from SAS, Emblem to AWS, Python to implement ML models for P&C pricing and analytics
 - Python and git training for actuarial teams
 - Pricing models for different business lines
 - Profitability and leakage analysis tool
 - Data pipeline for pricing projects
 - IFRS17 data prep tool for reinsurance & reserving teams
- Apr 2018 – Sep 2018** **Senior Consultant** Deloitte (Cologne, Germany)
 - Technical lead for initial P&C pricing offering development.
 - IFRS17, SolvencyII and reserving research and analysis.
- Apr 2016 – Mar 2018** **Senior Actuary and Data Scientist** Generali (Munich, Germany)
 - Project lead for motor and non-motor price modelling projects.
 - Training and mentoring team members on efficient modelling with Emblem, Classifier, Radar, SAS and R.
 - Key projects:
 - Development of company’s first telematics motor insurance.
 - Peril based pricing models for motor and household businesses.
 - Monthly automated profitability and leakage reports in Radar.
 - Underwriting control models for SME liability business.
- Sep 2013 – Apr 2016** **Actuary and Project Manager, Global P&C** Generali (Trieste, Italy)
 - Identifying and managing pricing and analytics projects in group’s entities.
 - Developing P&C pricing best practices and guidelines.
 - Training local actuaries on technical pricing using SAS, Emblem, Classifier and Radar etc.
- Feb 2007 – Jul 2009** **Market Research and Business Development** Evalueserve (Gurgaon, India)
- Oct 2004 – Feb 2007** **Senior Business Associate** Vertex (Gurgaon, India)
- Present** **Caritas** Cologne, Germany
 - Assisting immigrant children with English and Maths schoolwork and providing exam preparation support.

Volunteering

Ravindra Siwach

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Soft Skills

- Goal driven
- Detail oriented
- Effective communication
- Resilience
- Collaboration
- Creating new alternatives
- Problem solving

Languages

 English	● ● ● ● ●
 German	● ● ● ● ●
 Italian	● ● ● ● ●
 Hindi	● ● ● ● ●
 Haryanavi	● ● ● ● ●
 Punjabi	● ● ● ● ●
 Urdu	● ● ● ● ●

Interests



Education

2013 – 2014	Master in Insurance & Risk Management	MIB School of Management (Trieste, Italy)
	Graduated with Honours. Grade: 8.89/10.	
2011 – 2012	Institute and Faculty of Actuaries	UK
	CT1, 2, 3 and 7	
2009 – 2012	Bachelors in Statistics and Economics	EIILM University (Sikkim, India)
	First Division	
2009	Society of Actuaries	USA
	Exam P - Probability, Grade 9/10	

Other courses and certifications

2019	Axa	Cologne, Germany
	Agile product owner training with Scrum and Kanban.	
2018	Deloitte	France and Germany
	IFRS17 bootcamp. SAS institute training for IFRS17 software. Process mining with Celonis. (Training and Hackathon)	
2013 – 2016	Generali Academy	Trieste, Italy
	Towers Watson pricing software training Statistical modelling in R Health Insurance - Product, Pricing and Reserving	
Ongoing	Other courses	Online
	Online courses on Coursera, edX and Youtube etc. on Programming, R, Python, Julia, Machine Learning and Data Science topics.	

Awards & Achievements

2008	Employee Performance Award at Evalueserve.
2002	Government scholarship recipient for being amongst the 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.