



Ravindra Siwach

Senior Actuary,
Data Scientist, and
Project Manager

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- 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
- ResQ

Data Science

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

Professional Experience

Pricing Actuary, Global Specialty Insurance

Oct 2022 – Present

Munich RE
Munich, Germany

- Calculate Day1 prices for Insurtech partners for new products/markets.
- Develop pricing strategy to increase profitability and market share.
- Conduct portfolio monitoring through leakage and competitive benchmarking.
- Validate rates, reseves, financial projections for M&A actuarial due diligence.
- Coordinate seamless data API integration from partners.

Project Manager and Senior Actuary

Oct 2018 – Sep 2022

Axa
Cologne, Germany

- Managed interdisciplinary teams of actuaries and data scientists.
- Led 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 leakage 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

Apr 2018 – Sep 2018

Deloitte
Cologne, Germany

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

Senior Actuary and Data Scientist

Apr 2016 – Mar 2018

Generali
Munich, Germany

- Spearheaded peril based price modelling implementation for P&C products as the lead actuary for accurate and competitive pricing.
- Trained and mentored actuaries on Emblem, Classifier, Radar, SAS and R.
- Supported development of company's first telematics cars insurance product.
- Designed portfolio monitoring framework in Radar to streamline reporting.
- Implementing underwriting control models for SME liability business, resulting in improved risk management.

Actuary and Project Manager, Global P&C

Sep 2013 – Apr 2016

Generali
Trieste, Italy

- Managed pricing and analytics projects, ensuring alignment with overall business strategy.
- Developed best practices and guidelines to streamline pricing across entities.
- Developed technical price blueprint and conducted trainings for local actuaries.

Market Research and Business Development Analyst

Feb 2007 – Jul 2009

Evalueserve
Gurugram, India

Senior Business Associate

Oct 2004 – Feb 2007

Vertex
Gurugram, India

Ravindra Siwach

Senior Actuary,
Data Scientist, and
Project Manager

Soft Skills

Goal driven Detail oriented

Effective communication

Resilience Collaboration

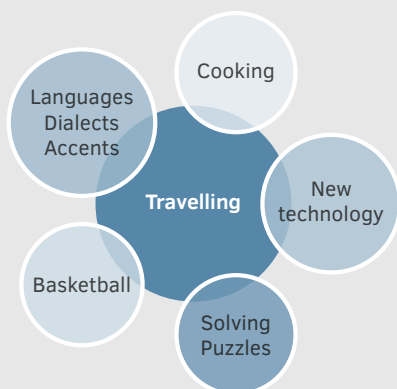
Creating new alternatives

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

Present	Continuous learning	Online
	Online courses on Coursera, edX and Youtube etc. on Programming, R, Python, Julia, Machine Learning, Data Science and Data Engineering topics.	
2019	Axa	Cologne, Germany
	Agile Scrum and Kanban Product Owner training.	
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	

Volunteering

Present	Caritas	Cologne, Germany
	Assisting immigrant children with English and Maths schoolwork and providing exam preparation support.	

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.	