



Ravindra Siwach

Actuary and Data Scientist

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Technical Skills

Project Management

- Agile
- Scrum
- Kanban
- Stakeholder management
- Strategic planning and organisation

Actuarial 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
- Deep Learning
- Web Apps
- Dashboarding
- ETL/ELT
- Python
- R
- SQL
- SAS
- git
- PowerBI
- Docker
- DevOps
- MLOps
- CI/CD

Highlights

- Proven leader experienced in managing culturally diverse interdisciplinary teams.
- Effective communication, networking and stakeholder management skills.
- Experience across personal, commercial and specialty lines with a deep knowledge of P&C pricing and analytics.

Professional Experience

Vice President, Risk Consulting & Analytics

Dec 2023 – Present

Swiss Re

Singapore

- Originate, scope, plan and deliver pricing and analytics projects as the lead for Southeast Asian markets, responsible for two million USD in revenue.
- Build and foster strong relationships with clients to understand their needs and develop solutions to address these.
- Develop new analytics and strategic consulting offerings for retail, commercial and specialty lines in the region.

Senior Actuarial Data Scientist

Pricing Actuary, Global Specialty Insurance

Oct 2022 – Nov 2023

Great Lakes

Munich RE

Munich, Germany

- Actuarial data science lead and data steward for Great Lakes business.
- Pricing, portfolio monitoring and competitive benchmarking analytics to manage exposure, maintain oversight and improve profitability & market share.
- Day1 pricing and product strategy for Insurtech MGAs to successfully launch SME Casualty products in European markets.
- Lead M&A actuarial due diligence and financial planning.

Project Manager, Senior Actuarial Data Scientist

Oct 2018 – Sep 2022

Axa

Cologne, Germany

- Lead interdisciplinary teams of actuaries and data scientists for P&C pricing, analytics and a company-wide transformation project.
- Engineer robust test-driven data and modelling pipelines and frameworks to improve accuracy and efficiency.
- Train and mentor actuaries on Python, git and other analytics methods and tools to improve collaboration and technical skills.
- Develop Python tool with reinsurance team for accurate IFRS17 reporting.

Senior Consultant

Apr 2018 – Sep 2018

Deloitte

Cologne, Germany

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

Senior Actuary and Data Scientist

Sep 2013 – Mar 2018

Generali

Trieste, Italy & Munich, Germany

- Develop analytics tools in Python and R to support actuaries in pricing, portfolio monitoring, and competitive benchmarking for retail and commercial lines.
- Design company's first telematics motor insurance product in Germany.
- Implement underwriting control model for SME products to identify pricing gaps.
- Train and mentor actuaries on P&C pricing and analytics tools and best practices.
- Develop technical price and portfolio monitoring blueprint for streamlined processes and best practice sharing amongst group entities.
- Review and validate group entities' projections and plans.

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

Actuary and Data Scientist

Soft Skills

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

Languages

 English	<div><div></div><div></div><div></div><div></div><div></div></div>
 German	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
 Italian	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
 Hindi	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
 Haryanavi	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
 Punjabi	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
 Urdu	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

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.

MIB School of Management
Trieste, Italy

Actuarial Exams
2011 – 2012
- CT1, 2, 3 and 7

Institute and Faculty of Actuaries
UK

Actuarial Exams
2009
- Exam P - Probability, Grade 9/10

Society of Actuaries
USA

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
- Various online courses on R, Python, ML, Data Science and Data Engineering.

Volunteering

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