Ravindra Siwach

Senior Actuary,
Data Scientist and
Product Owner

☎ +49 173 602 4221

@ ravindra.siwach@gmail.com

 GitHub profile

 LinkedIn profile

Skills

P&C Insurance and Pricing

Technical pricing	Leakage analysis
Competitive benchmarking	Churn
Lapse/Retention	Renewal pricing
Optimization	Telematics	IFRS17
Cross subsidy	Credibility pricing
SolvencyII

Programming and Pricing tools

Python	R	SQL	SAS
git	Docker	CI/CD	Jenkins
Emblem	Classifier	Radar

Project Management

| Agile | Scrum | Kanban |

Soft Skills

| Focus on goals | Attention to detail |
| Collaboration and team work |
| Creating new alternatives |
| Resilience |

About Me

I am an experienced actuary; passionate about strengthening traditional actuarial analyses with data science and machine learning methods. The main focus of my experience is P&C pricing, analytics and portfolio monitoring. I am also experienced in actuarial reserving, SolvencyII and IFRS17.

Work Experience

Oct 2018 – Present — **Senior Actuary and Product Owner** — Axa (Cologne, Germany)
- Built data ETL pipelines with automated testing to reduce time spent by actuaries on mundane tasks from 4-6 weeks to 1-2 days, thereby leaving more time for them to focus on actual analyses.
- Developed best practices and trained actuarial teams for working with Python and git.
- Currently leading P&C pricing and analytics transformation projects with mixed teams of actuaries and data scientists to replace traditionally used tools such as SAS and Emblem by Python, Snowflake etc.

Apr 2018 – Sep 2018 — **Senior Consultant** — Deloitte (Cologne, Germany)
- Supported developing Deloitte's P&C pricing consulting in Germany.
- Developed tools in R for SolvencyII and IFRS17 projects.

Apr 2016 – Mar 2018 — **Senior Actuary and Data Scientist** — Generali (Munich, Germany)
- Supported development of Generali's first telematics motor insurance product in Germany.
- Developed peril based technical pricing models for motor and household businesses.
- Developed a framework to automatically generate monthly reports for the management focused on price and discount leakage monitoring.
- Built underwriting control models for commercial liability insurance.
- Trained team members on efficient modelling with Emblem, Classifier, Radar, SAS and R.

Sep 2013 – Apr 2016 — **Actuary and Country Manager, Global P&C** — Generali (Trieste, Italy)
- Developed P&C pricing and monitoring best practices and guidelines.
- Successfully led pricing and analytics projects in Italy, Germany, Netherlands, Belgium and Czech Republic.
- Trained local actuaries on technical pricing using SAS, Emblem, Classifier and Radar etc.

Feb 2007 – Jun 2009 — **Market Research Analyst** — Evalueserve (Gurgaon, India)
- Conducted market research and analytics projects.

Oct 2004 – Feb 2007 — **Senior Business Associate** — Vertex (Gurgaon, India)
- Backend process for a UK mobile carrier and utilities provider.

Education

Professional

2011 – 2012 — **Institute and Faculty of Actuaries** — UK
Exams CT1, CT2, CT3 and CT7

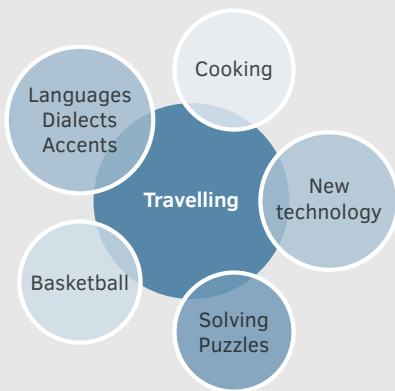**2009** — **Society of Actuaries** — USA
Exam P - Probability, Grade 9/10

Ravindra Siwach

Senior Actuary,
Data Scientist and
Product Owner

Languages ─────────

🇮🇳 Haryanavi	● ● ● ● ●
🇮🇳 Hindi	● ● ● ● ●
🇬🇧 English	● ● ● ● ●
🇮🇹 Italian	● ● ● ● ○
🇩🇪 German	● ● ● ○ ○
🇮🇳 Punjabi	● ● ● ○ ○
🇮🇳 Urdu	● ● ● ● ○

Interests ─────────

Education

Formal

2013 – 2014	**Master in Insurance & Risk Management**	MIB School of Management (Trieste, Italy)

Graduated with Honours. Grade: 8.89/10.
Thesis: Risk coherent KPIs for P&C insurance under SolvencyII.

2009 – 2012	**Bachelors in Statistics and Economics**	EIILM University (Sikkim, India)

First Division

Other courses and certifications

2019	**Axa**	Cologne, Germany

Agile 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	Top 0.1% scorer in 2 subjects at all-India CBSE X board exams.
2001	School top scorer at National Mathematics Talent Competitions.
2001	Member of school and state Basketball teams.

September 28, 2020   **Ravindra Siwach**