



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
- 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

About Me

I am an experienced Actuary passionate about combining traditional actuarial methods with Data Science and Machine Learning technologies. While the main focus of my experience has been P&C pricing, analytics and portfolio monitoring, I have also worked on reserving, SolvencyII and IFRS17 projects.

Work Experience

- Oct 2018 – Present** **Senior Actuary and Product Owner** AXA (Cologne, Germany)
 - Reduced data preparation time from 4-6 weeks to under 2 hours by building an automated ETL pipeline with automated testing.
 - Training actuarial teams on git and Python.
 - Developing best practices for working with Python and git workflow.
 - Leading mixed team of actuaries and data scientists for pricing and analytics projects leading a team of .
- Apr 2018 – Sep 2018** **Senior Consultant** Deloitte (Cologne, Germany)
 - Develop P&C pricing offering for Deloitte actuarial practice in Germany.
- Apr 2016 – Mar 2018** **Senior Actuary and Data Scientist** Generali (Munich, Germany)
 - Development of Generali's first Telematics motor insurance product offering in Germany.
 - Mentoring team members for efficient modelling with Emblem, Classifier, Radar, SAS and R.
 - Pricing and Portfolio Monitoring guidelines for Generali companies worldwide.P&C Pricing, Reserving, Solvency II, IFRS 17, Process Mining/Process Bionics.
- Sep 2013 – Apr 2016** **Actuary and Country Manager, Global P&C** Generali (Trieste, Italy)
 - P&C Technical and Market Pricing, Portfolio Monitoring, Leakage and Cross-subsidy, Competitor Analysis, Churn/Retention Analysis and Product Development, Data Science and Machine Learning, Project management, Telematics and User based Insurance - Development of Generali's first Telematics motor insurance product offering in Germany. - Mentoring team members for efficient modelling with Emblem, Classifier, Radar, SAS and R. - Pricing and Portfolio Monitoring guidelines for Generali companies worldwide.
- Feb 2007 – Jun 2009** **Market Research Analyst** Evalueserve (Gurgaon, India)
 - Project Management, Market research and analytics, Business Development. Employee Performance Award in recognition of performance and team work by the Country Head and COO.
- Oct 2004 – Feb 2007** **Senior Business Associate** Vertex (Gurgaon, India)
 - Training and mentoring new team members. Developing standard operating procedures and quality guidelines for internal processes.

Education

Professional

- 2011 – 2012** **Institute and Faculty of Actuaries** UK
 - Exams CT1, CT2, CT3, CT7
- 2009** **Society of Actuaries** USA
 - Exam P - Probability, Grade 9/10

Formal

2013 – 2014	Master in Insurance & Risk Management Graduated with Honours. Grade: 8.89/10. Thesis: Solvency II: Non-life business under the new regulatory regime.	MIB School of Management (Trieste, Italy)
2009 – 2012	Bachelors in Statistics and Economics First Division	IIILM University (Sikkim, India)

Ravindra Siwach

Senior Actuary,
Data Scientist and
Product Owner

Languages

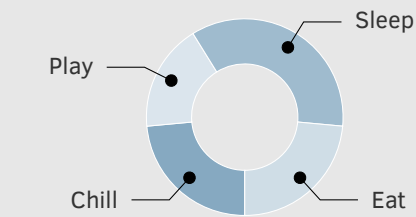
	Haryanavi	<div><div></div><div></div><div></div><div></div><div></div></div>
	Hindi	<div><div></div><div></div><div></div><div></div><div></div></div>
	English	<div><div></div><div></div><div></div><div></div><div></div></div>
	Italian	<div><div></div><div></div><div></div><div></div><div></div></div>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

Diagrams

Bubble	Diagrams	with	proper
overflow	protection	for	labels



Wheel Chart



Memberships



Publications

2010	Cooking: 100 recipes for lazy Pandas <i>Me and My Panda Friends</i> Panda's Culinary World
2005	Pandastasia <i>Still Me</i> Bamboo Books Assoc.

Awards

2010 – now	Panda of the Year	Panda World Forum
2005 – now	Face of World Wide Fund for Nature	WWF
2000	Winner of Bamboo Sprouts Eating Contest	Bamboo Society

Extra-Curricular Activities

Relaxing	Master the fine art of relaxing everywhere
Music	Playing the bamboo flute in the 1st Panda Orchestra
Education	Teaching young pandas to be more panda-like

section

Subsection

<dates>	<cv-item title>	<location>
	<optional: description>	

cvitem

Multi-line with longer description

date	Description	location
	Some longer and more detailed description, that takes two lines of space instead of only one.	
date	Description	location
	Some longer and more detailed description, that takes two lines of space instead of only one.	
date	Description	location
	Some longer and more detailed description, that takes two lines of space instead of only one.	

One-line without description

Award	One-line description	Sponsor
Award	One-line description	Sponsor
Award	One-line description	Sponsor

cvpubitem

Year	Publication title <i>Authors</i> Journal
Year	Publication title <i>Authors</i> Journal
Year	Publication title that is spanning over multiple lines and still does not look too bad <i>Authors</i> Journal