Ravindra Siwach

Porduct Owner, Actuary and
Data Scientist

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 GitHub profile

 LinkedIn profile

Skills ————————

P&C Insurance and Pricing

Technical pricing   Credibility

Lapse   Retention   Optimization

Renewal pricing   Telematics

Leakage   Cross subsidy

Competitive analysis   IFRS17

SolvencyII

Programming and Pricing tools

Python   R   SQL   SAS   git

Emblem   Classifier   Radar

PowerBI   Docker

Project Management

Agile   Scrum   Kanban

About Me

An experienced actuary and data scientist with a proven track record of successfully leading and training actuarial teams on P&C pricing and analytics projects. Proficient in SQL, SAS, Python, R, TW-Emblem, Classifier, Radar and git; I am passionate about combining and improving traditional actuarial models by using data science and machine learning techniques. I have supported and enabled actuarial teams in building automated and reproducible analyses thereby reducing the time spent on mundane tasks and increasing the time spent on improving models and generating meaningful and actionable insights.

Work Experience

Oct 2018 – Present

Senior Actuary and Product Owner   Axa (Cologne, Germany)
- Lead transformation projects to rebuild exisiting SAS, Emblem and Excel based models and analyses using Python, SQL, R and git.
- Built automated data pipelines and visual dashboards to significantly reduce the time needed to build the first models.
- Developed best practices and trained actuarial teams for working efficiently and effectively with Python and git.

Apr 2018 – Sep 2018

Senior Consultant   Deloitte (Cologne, Germany)
- Led initial development of Deloitte's P&C pricing and analytics offering in Germany.
- Developed tools and tests in R and SAS 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 and supported 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.

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Soft Skills ——————
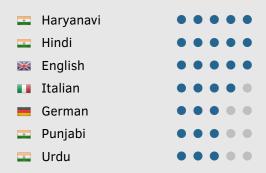
Focus on goals

Attention to detail

Collaboration and team work

Creating new alternatives

Resilience

Languages ——————

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

Interests ——————

Travelling · Cooking · New technology · Solving Puzzles · Basketball · Languages Dialects Accents

Education

Professional

| 2011 – 2012 | **Institute and Faculty of Actuaries** | UK |

CT1 - Financial Mathematics
CT2 - Finance and Financial Reporting
CT3 - Probability and Mathematical Statistics
CT7 - Business Economics

| 2009 | **Society of Actuaries** | USA |

Exam P - Probability, Grade 9/10

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	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.

October 18, 2020   **Ravindra Siwach**