

Ravindra Siwach

Porduct Owner, Actuary and Data Scientist

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ravindra-siwach

in ravindrasiwach

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 existing 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 preparation of an initial P&C pricing 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)

 Managed and conducted market research, analytics and business development projects.

Oct 2004 – Feb 2007

Senior Business Associate

Vertex (Gurgaon, India)

• Customer service.

Ravindra Siwach

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Soft Skills

Focus on goals

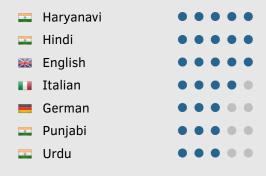
Attention to detail

Collaboration and team work

Creating new alternatives

Resilience

Languages



Interests



Education

Professional

2011 – 2012 Institute and Faculty of Actuaries

CT1 - Financial Mathematics

CT2 - Finance and Financial Reporting CT3 - Probability and Mathematical Statistics

CT7 - Business Economics

2009 Society of Actuaries

Exam P - Probability, Grade 9/10

IJК

USA

Trieste, Italy

Online

Formal

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

Management

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

Towers Watson pricing software training

Statistical modelling in R

Health Insurance - Product, Pricing and Reserving

Ongoing Other courses

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.