



Ravindra Siwach

Project Manager,
Senior Actuary,
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
- Web Apps
- Dashboarding
- ETL/ELT
- Python
- R
- SQL
- SAS
- git
- PowerBI
- Docker
- DevOps
- MLOps

Summary

Results-driven Project Manager with extensive experience in spearheading interdisciplinary teams of actuaries and data scientists. Demonstrates a strong commitment to integrating actuarial and data science methodologies in order to automate routine tasks and generate valuable, actionable insights. Possesses exceptional communication, networking and stakeholder management skills, adept at engaging with both technical and non-technical audiences. Passionate about leveraging data to optimize stakeholder value and empower teams to make data-driven decisions.

Professional Experience

Pricing Actuary, Global Specialty Insurance

Oct 2022 – Present

Munich RE

Munich, Germany

- Market pricing, pricing strategy and product development based on competitive benchmarking for new products/market launch with Insurtechs/MGAs.
- Portfolio monitoring for oversight and improving profitability and market share.
- Regularly review and validate rates, reserves, financial projections and underwriting policies for existing business as well as M&A due diligence.
- Coordinate seamless data API integration from partners.

Project Manager and Senior Actuary

Oct 2018 – Sep 2022

Axa

Cologne, Germany

- Managed interdisciplinary teams of actuaries and data scientists.
- Led transformation of P&C pricing and analytics landscape, migrating from legacy systems (SAS, WTW) to cloud (AWS) and implementing Python-based ML models.
- Led pricing and leakage projects for improved pricing and portfolio management.
- Engineered test-driven ETL and ML pipelines to improve accuracy and efficiency.
- Trained actuaries on Python and git to improve collaboration and technical skills.
- Developed Python data tool with reinsurance team for accurate IFRS17 reporting.

Senior Consultant

Apr 2018 – Sep 2018

Deloitte

Cologne, Germany

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

Senior Actuary and Data Scientist

Apr 2016 – Mar 2018

Generali

Munich, Germany

- Implemented peril based pricing for P&C products as lead actuary.
- Supported development of company's first telematics cars insurance product.
- Implemented SME underwriting control model to identify guideline deviations.
- Designed portfolio monitoring framework in Radar to streamline reporting.
- Trained and mentored actuaries on Emblem, Classifier, Radar, SAS and R.

Actuary and Project Manager, Global P&C

Sep 2013 – Apr 2016

Generali

Trieste, Italy

- Developed technical price and portfolio monitoring blueprint for streamlined processes and best practice sharing amongst group entities.
- Built various pricing, portfolio monitoring and competitive benchmarking models to address vulnerabilities and improve portfolio performance.
- Liaised with business units to identify training and project requirements.
- Developed VBA/Excel tool to monitor performance of group entities in Europe.
- Reviewed and validated group entities' projections and plans.

Market Research and Business Development Analyst

Feb 2007 – Jul 2009

Evalueserve

Gurugram, India

- Managed/conducted market research analytics & business development projects.

Senior Business Associate

Oct 2004 – Feb 2007

Vertex

Gurugram, India

Ravindra Siwach

Project Manager,
Senior Actuary,
Data Scientist

Soft Skills

Goal driven Detail oriented

Effective communication

Resilience Collaboration

Creating new alternatives

Problem solving

Languages

 English	● ● ● ● ●
 German	● ● ● ● ●
 Italian	● ● ● ● ●
 Hindi	● ● ● ● ●
 Haryanavi	● ● ● ● ●
 Punjabi	● ● ● ● ●
 Urdu	● ● ● ● ●

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.

Actuarial Exams

2011 – 2012

- CT1, 2, 3 and 7

Bachelors in Statistics and Economics

2009 – 2012

- First Division

Actuarial Exam

2009

- Exam P - Probability, Grade 9/10

MIB School of Management

Trieste, Italy

Institute and Faculty of Actuaries

UK

IIITM University

Sikkim, India

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
- Online courses on Programming in R, Python and Julia as well as on Machine Learning, Data Science and Data Engineering topics.

Volunteering

Caritas

Cologne, Germany

- Assisting immigrant children with English and Maths schoolwork and providing exam preparation support.

Awards & Achievements

2008 - Employee Performance Award at Evalueserve.

2002 - 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.