Ravindra Siwach

Project Manager,
Senior Actuary,
Data Scientist

📞 +49 173 602 4221

@ ravindra.siwach@gmail.com

🐙 ravindra-siwach

in ravindrasiwach

Technical Skills

Project Management

Agile   Scrum   Kanban

Stakeholder management

Strategic planning and organisation

Acturial 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 leading interdisciplinary teams of actuaries & data scientists. Demonstrates a strong commitment to integrating actuarial and data science methodologies 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 empower teams to make data-driven decisions and deliver value for stakeholders.

Professional Experience

Pricing Actuary, Global Specialty Insurance — Munich RE
Oct 2022 – Present   *Munich, Germany*
- Provide pricing, startegy and product development support for Insurtech/MGA partners to successfully launch SME products in new markets.
- Support M&A due diligence through review and validation of rates, reserves, underwriting policies and financial projections.
- Diligently monitor portfolio and perform competitive benchmarking to maintain oversight and improve profitability and market share.
- Support financial planning process for various entities/portfolios.
- Coordinate seamless data API integration from partners.

Project Manager and Senior Actuary — Axa
Oct 2018 – Sep 2022   *Cologne, Germany*
- Led interdisciplinary teams of actuaries and data scientists for 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 analytics 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 — Deloitte
Apr 2018 – Sep 2018   *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 — Generali
Apr 2016 – Mar 2018   *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 — Generali
Sep 2013 – Apr 2016   *Trieste, Italy*
- Developed technical price and portfolio monitoring blueprint for streamlined processes and best practice sharing amongst group entities.
- 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 — Evalueserve
Feb 2007 – Jul 2009   *Gurugram, India*
- Managed/conducted market research analytics & business development projects.

Senior Business Associate — Vertex
Oct 2004 – Feb 2007   *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   **MIB School of Management**
2013 – 2014   *Trieste, Italy*
- Graduated with Honours. Grade: 8.89/10.

Actuarial Exams   **Institute and Faculty of Actuaries**
2011 – 2012   *UK*
- CT1, 2, 3 and 7

Bachelors in Statistics and Economics   **EIILM University**
2009 – 2012   *Sikkim, India*
- First Division

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

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.