Ravindra Siwach

Project Manager,
Senior Actuary,
Data Scientist

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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`

Highlights

- Proven leader experienced in managing culturally diverse interdisciplinary teams.
- Effective communication, networking and stakeholder management skills.
- Deep knowledge and experience across personal, commercial and specialty lines.
- Actuarial pricing and data science specialist.

Professional Experience

Pricing Actuary, Global Specialty Insurance   **Munich RE**
Oct 2022 – Present   *Munich, Germany*
- Develop Pricing, Portfolio monitoring and Competitive benchmarking frameworks to maintain oversight and improve profitability and market share.
- Provide Day1 pricing strategy and product support in absence of historic data for Insurtech/MGA partners to successfully launch SME products in new markets.
- Perform M&A due diligence including review and validation of rates, reserves, underwriting policies and financial projections.
- Support financial planning process for group entities/portfolios.
- Coordinate seamless data API integration for 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.
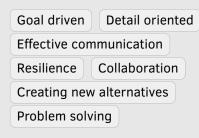
Senior Business Associate   **Vertex**
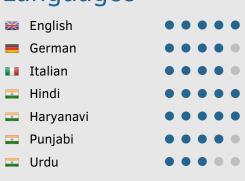*Oct 2004 – Feb 2007*   *Gurugram, India*

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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.