

Ravindra Siwach

Project Manager, Senior Actuary, **Data Scientist**

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ravindra-siwach

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 Res₀

Data Science

Docker

Machine Learning Web Apps Dashboarding Python ETL/ELT SQL SAS PowerBI

MLOps

DevOps

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

Sr. Actuarial Data Scientist, Great Lakes

Munich RE

Oct 2022 - Present

Munich, Germany

- Develop data science capability for Great Lakes including data models and strategy for collecting and utilizing data from various internal and external
- Single risk/case pricing and act as data steward for Single Risk business.
- Represent Great Lakes in data related workstreams for transformation projects.
- 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.

Project Manager and Senior Actuary

Axa Cologne, Germany

Oct 2018 - Sep 2022

- 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

Sep 2013 – Mar 2018

Trieste, Italy & Munich, Germany

- Implemented peril based pricing for P&C products as lead actuary.
- Supported development of company's first telematics cars insurance product in
- 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.
- 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 Gurugram, India

Feb 2007 - Jul 2009

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

Senior Business Associate

Vertex

Oct 2004 - Feb 2007

Gurugram, India

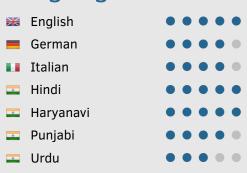
Ravindra Siwach

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Soft Skills

Goal driven Detail oriented Effective communication Resilience Collaboration Creating new alternatives Problem solving

Languages



Interests

Puzzles Modern Tech Basketball Languages, Dialects and Accents Cooking Backpacking

Education

Master in Insurance & Risk Management 2013 - 2014

MIB School of Management Trieste, Italy

- Graduated with Honours. Grade: 8.89/10.

Actuarial Exams 2011 - 2012

Institute and Faculty of Actuaries

- CT1, 2, 3 and 7

Society of Actuaries

Actuarial Exams

2009 - 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.